OPAL

Product Catalogue 2016

At Onninen, we are actively developing OPAL product offering. OPAL products are and must be quality products according to customer value and product performance. We never compromise quality.

OPAL - Trustful solutions for living.

If you have any question, please contact with ob@onninen.com

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OPAL

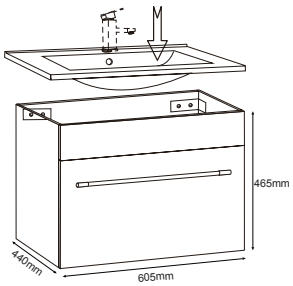
BATHROOM AND KITCHEN

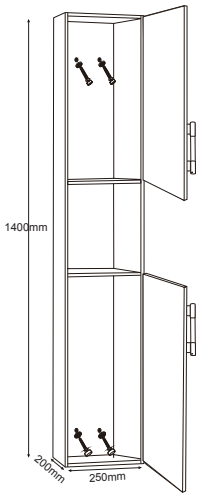
Cabinet

- Popular design
- High quality Ceramic basin
- Water-proof PVC board with white painting
- Side cabinet with two removable shelfs
- Drawer and door with soft close device

SAP Code	Code	name	Specification
ALR516	E080044	Main cabinet and basin delia white	L 605mm, W 465mm, H 440mm

SAP Code	Code	name	Specification
ALR517	E080046	Side cabinet delia white	L 250mm, W 200mm, H 1400mm





Main Cabinet Opal With Basin

OPAL main cabinet with ceramic basin. The material is very moisture -resistant acrylic, so it is suitable for installation in moisture exposed premises. The drawers are equipped with soft close mechanism.

SAP Code	Specification
CBY213	White 610
CBY214	White 750

Main Cabinet And Basin Piccolo

- 6 mm round hole with protect cover
- 400*220*580 mm
- Side plate: chipwood with high gloss melamine
- Front plate: chipwood with high gloss acrylic
- Inside & back + bottom: chipwood with matt melamine

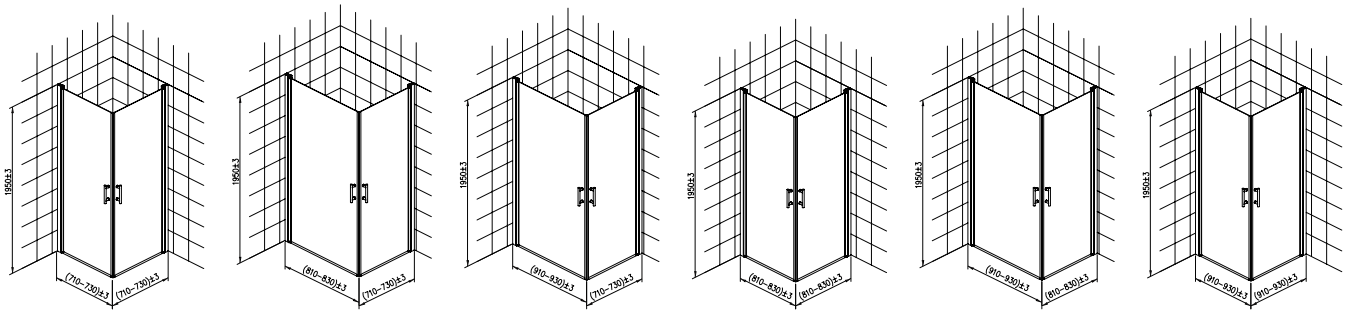
SAP Code	Specification
ATC541	White, with basin

Straight Shower Wall / Enclosure

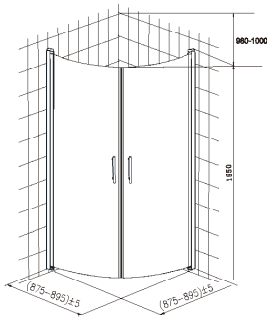
- 6mm tempered clear glass
- Aluminium profile in chrome finish
- F shape stainless steel handle

SAP Code	Code	Type	Specification	Approvals
AIO673	E019059	70X195cm	zinc alloy bottom fitting	CE
AIO340	E019060	80X195cm		
AIM048	E019061	90X195cm		

Attention:it can be combination of 70*70; 70*80; 70*90; 80*80; 80*90; 90*90 to construct Rectangular Shower Enclosure



Curved Shower Enclosure



- 6mm tempered clear glass
- Aluminium profile in chrome finish
- F shape stainless steel handle

SAP Code	Code	Specification
AIT256	E019057; Se:7393647	90x90x195cm; zinc alloy bottom fitting

Shower Wall With Telescopic Vertical Pole

- Straight shower wall with vertical (adjustable length up to 280) pole
- 6mm tempered glass
- Aluminium profile in chrome finish

SAP Code	Code	Specification
AIU343	E019063	60*(185-200)cm; no screw needed for pole installation

Shower Wall (Curtain Straight)

- Straight shower wall with horizontal curtain pole
- 6mm tempered clear glass

SAP Code	Code	Specification	Approvals
AIN678	E019062	60X(70-100)X200cm; No screw fixed in the floor	CE

Shower Wall Opal

OPAL shower walls are made from tempered 4 mm safety glass. Chrome finished telescopic pole support is adjustable from 185 cm up to 280 cm. Available sizes are 50 - 80 cm, clear and smoke glass.

SAP Code	Specification
CBV490	40X185 4MM CLEAR GLASS
CBV486	40X185 4MM SMOKE GLASS
CBV483	50X185 4MM CLEAR GLASS
CBV485	50X185 4MM SMOKE GLASS
CBV492	60X185 4MM CLEAR GLASS
CBV488	60X185 4MM SMOKE GLASS
CBV489	70X185 4MM CLEAR GLASS
CBV487	70X185 4MM SMOKE GLASS
CBV491	80X185 4MM CLEAR GLASS
CBV484	80X185 4MM SMOKE GLASS

Shower Enclosure

OPAL shower enclosures have two curved doors made of tempered 5 mm safety glass. Handles are made of stainless steel. 90x90x195 cm, clear or smoke glass.

SAP Code	Specification
CBY951	90*90*195 5MM CLEAR GLASS
CBY952	90*90*195 5MM SMOKE GLASS

Shower Door

OPAL shower walls are made from tempered 5 mm safety glass. The shower walls can be turned to face the wall, creating space in the bathroom. Available sizes are 70 - 90 cm, clear and smoke glass

SAP Code	Specification
CBY954	70*195 5MM CLEAR GLASS
CBY958	70*195 5MM SMOKE GLASS
CBY957	80*195 5MM CLEAR GLASS
CBY955	80*195 5MM SMOKE GLASS
CBY956	90*195 5MM CLEAR GLASS
CBY953	90*195 5MM SMOKE GLASS

Mounting Bar For Shower Wall Chrome

SAP Code	Specification
ANY446	Fixed bar for shower door(k-162) Stailess steel bar and two side Zinc clip Size: 47x2x1cm

Toilet Seat

- Hard plastic cover with soft close and quick release-mechanism. Suitable for e.g. Ido 7 D

SAP code	Color
ATF765	sign white
ATF766	sign black

Toilet Seat

- Hard plastic cover with soft close and quick release-mechanism. Suitable for e.g. Gustavsberg Nautic and Nordic toilet seats.

SAP code	Color
ATF763	twist white
ATF764	twist black

Toilet Seat Opal Deluxe Arrow

SAP Code	Specification
APD365	19704 Quick Release
APD366	19703 Quick Release

APD365

APD366

Toilet Seat For Children

SAP Code	Specification
ABK345	Pallero

Hand Shower Set

- With 5 kinds of water spray
- Adjust height by single hand

SAP Code	Specification
ALS242	Plastics hand shower 5-function chrome brass bard L=839mm 2m transparent chrome hose

Hand Shower 2-Function With Temperature Display

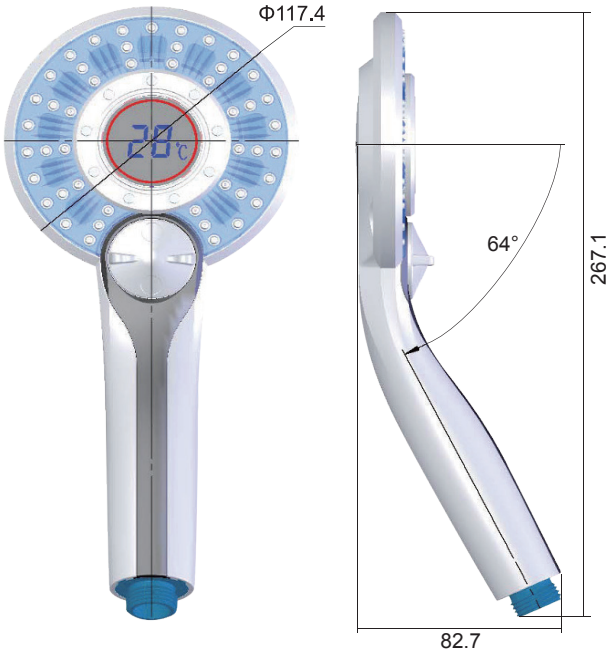
- With LCD screen to show water temperature
- Without battery, with built in generator and powered by water flow
- Long life of Generator, over 800 hours lifetime
- With 2 functions: shower and bubble
- Working water pressure 0.06MPa - 0.4MPa
- Flow 5L/Min - 12L/Min and adjustable
- Working Life: over 800 hours (equal to over
- 3 years)
- Working water temp.: 1°C - 60°C

SAP code
CAF614

Water temp under 30°C, blue

Water temp 30°C -45°C, red

Water temp over 45°C, red/blue flashing



Hand Shower

- Rubber on spray
- Easy clean

SAP Code	Specification
ALS243	5-function, chrome, plastic
ALS244	1-function, chrome, plastic

Bide-Hand Shower

- With rubber on spray
- Easy clean

SAP Code	Specification
AEF094	chrome with bracket, plastic
AEF095	white with bracket, plastic

Shower Hose

- Stainless steel shower hose

SAP code	Size
ATM437	1.5M
ATM438	2.0M

Shower Hose

• Max temperature is + 65ºC

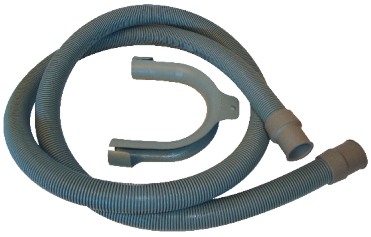
SAP Code	Specification
ABK241	150 cm white, plastic
ABK242	200 cm white, plastic
ABN799	300 cm white, plastic
ABK243	150 cm transparent chrome, plastic
ABK244	200 cm transparent chrome, plastic
ADW348	300 cm transparent chrome, plastic

Shower Hose

SAP Code	Type	Specification
AMT860	150CM	sliver, ALUFLEX
AMT861	200CM	

Washing Machine Outlet Hose

SAP Code	Specification
ABK251	150 cm; 19-22mm, straight / straight
ABK252	250 cm 19-22mm, straight / straight
ABK253	70-200 cm 19-22mm, straight / straight



Towel Ring

SAP Code	Specification
ACL481	Zinc alloy + brass ring, chrome plating

Double Robe Hook

SAP Code	Specification
ACL477	Zinc alloy, chrome plating

Hook Strip

SAP Code	Specification
ACL478	4 Hooks; zinc alloy + brass hooks, chrome plating

Paper Holder With Lid

SAP Code	Specification
ACL479	Zinc alloy + steel hanger + stainless lid, chrome plating

Double Tumbler Holder

SAP Code	Specification
ACL484	Zinc alloy + 2 pcs glass cup, chrome plating

Double Towel Bar

SAP Code	Specification
ACL482	24 Inch; zinc alloy + brass bar, chrome plating

Soap Dispenser&Holder

SAP Code	Specification
ACL483	Zinc alloy + glass cup

Toilet Brush&Holder

SAP Code	Specification
ACL485	Zinc alloy + acrylic + brass handle, chrome plating

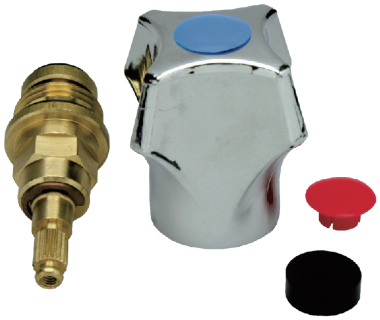
Shower Cabinet Connection Set

SAP Code	Specification
AMT859	1/2" X 3/4", 2pcs / bag, with 4pcs plastic ring in packing, Maximum working pressure: PN16, Maximum temperature: 95ºC, Male thread connections comply with ISO228 (BS2779), male thread with serration

• For connection water inlet hoses to shower mixer in shower cabinet

Regulation Handle For Cold And Hot Water

SAP Code	Specification
ABK192	Delta 77; Package includes the valve, handle, colour pin for cold and hot water, and two seals (for different kind of taps).



Aerator

SAP Code	Code	Specification
ABK236	E077029	M22x1female
ABK237	E077030	M24x1 male
ABK238	E077031	M28x1 male
ABK239	E077034	with spindle 2-function

ABK236 ABK237 ABK238 ABK239

CP Straight Radiator Valve

• chrome

SAP Code	Code	Specification
ABL270	E075260	3/8
ABL271	E075265	1/2

In-Let Valve

• For IDO products

SAP Code	Specification
ABK333	Flush valve 64049

Wall Fixing Screws For Basin

SAP Code	Specification
ABK260	6pcs

WC Seat Screw Set

SAP Code	Specification
ABK346	5,5 x 80 mm

Brass Flanged Pipe

SAP Code	Specification
ABL279	L= 660 mm, ø32, chrome

Plastic Drain Water

SAP Code	Specification
ABL277	D .32 220-680mm

Wash Basin Brackets

SAP Code	Code	Specification
AEO081	E079999	195 mm white
ABK258	E080001	240 mm white
ABN816	E080000	260 mm white

ABN816

ABK258

Gasket For Flush Tank

• For IDO products

SAP Code	Code	Specification
ABK337	E073005	64059
ABK338	E073004	64060
ABK339	E073006	64061

ABK337

ABK338

ABK339

Gasket

SAP Code	Code	Type	Specification
ABN810	E024105	Thin rubber gasket	for dump valves, 30 mm
ABN811	E024110		for dump valves, 40 mm
ABK186	E079071	Form gasket	70/50
ABK178	E024008	Tesnit gasket	45 X 36mm kling./2 pcs
ABK187	E074001	Soft foam gasket	3/4 / 2pcs

ABN810

ABK186

ABK178

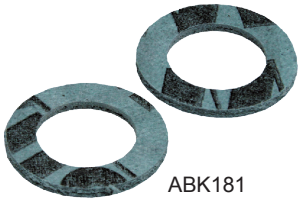
ABK187

Gasket Sauger

SAP Code	Specification
ABK185	45 X 36mm /2 pcs
ABK184	38 X 30 MM /2 PCS

Gasket EPDM

SAP Code	Code	Specification
ABK180	E079008	1/2 2pcs/bag
ABK181	E079007	3/4 2pcs/bag
ABL263	E075170	1/2 /2pcs
ABK182	E024009	1/2 /5pcs


ABK181

SAP Code	Code	Specification
ABL265	E075180	3/4 /2pcs
ABK183	E024010	3/4 /5pcs
ABN800	E075182	30mm /2pcs
ABN801	E075184	40mm /2pcs

ABL265

Mass Gasket Opal 1” 2 Pcs/Pac

SAP Code
CAI635

Siphon Plug U-19 Coupling

SAP Code	Specification
CAS798	2 pcs / bag

Plug For Wash-Basin

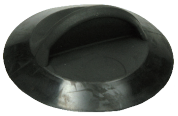
• Rubber

SAP Code	Code	Specification
ABK276	E080010	38,5 mm
ABK277	E080011	43,5 mm
ABK278	E080012	45,5 mm
ABK279	E080013	38,5 mm with flange
ABK280	E080014	43,5 mm with flange
ABK281	E080015	45,5 mm with flange
ABK283	E016022	36/38 mm
ABK284	E016023	38/40 mm
ABK285	E016024	40/42 mm
ABK286	E016025	43/45 mm
ABK282	E080016	for Franke & Stala-wash basins
ADW241	E080019	suitable for all kind of wash basins

ABK277

ABK280

ABK284


ABK282

ADW241

WC- Seat Connector

SAP Code	Specification
AED595	max 30 mm

WC Pan Connector

SAP Code	Specification
ABK347	WC pan connector eccentric adjustment 15mm

WC Connector Gasket

SAP Code	Specification
ABL273	110 cast iron

Covering Plate

SAP Code	Specification
ACP627	157 mm white plastic

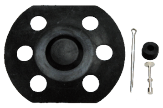
Cover Plates

SAP Code	Specification
ABK341	For WC pan 4pcs

Spare Part For IDO

• For IDO products

SAP Code	Code	Specification
ABK326	E073010	Float valve repair set 64002
ABK328	E073016	Rubber ball and spindle 64008
ABK329	E073025	Flush valve sealing 64020
ABK330	E073026	Float valve repair set 64021
ABK331	E073029	Fixing screws for cistern 64028


ABK326

ABK328

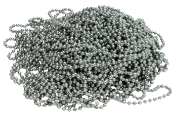
ABK329

ABK330

ABK331

Ball Chain

ABK287


ABN808

SAP Code	Code	Specification
ABK287	E080017	250 mm with rings
ABK288	E080018	700 mm with rings

Screw For Basin

SAP Code	Specification
ABK289	250 mm with ball chain, length of the screw 18mm

Trash Sifter Plastic

SAP Code	Specification
ABK291	suitable for all kind of wash basins

Siroflex Series

SAP Code	Specification
ABK359	Water filter
ABK360	Change filter
ABK362	Screen for basin

ABK359

ABK360

ABK362

Self Service Package

• For IDO products

SAP Code	Specification
ABK322	Float valve 64035
ABK324	Outlet pipe 64009
ABK336	Hinges for Trevi-seat 64055

ABK322

ABK336

ABK324

OPAL

CABLES AND WIRES

Installation Cable MMJ

SAP Code	Specification
ATN074	5 X 1,5 5M
ATN075	5 X 1,5 10M
ATN076	5 X 2,5 5M
ATN077	5 X 2,5 10M

RKKB Cables

SAP Code	Specification
CBZ054	RKKB 2X6 3M
CCC693	RKKB 2X2,5 10M
CCC695	RKKB 2X2,5 20M
CCC694	RKKB 2X4 20M
CBZ052	RKKB 2X2,5 50M
CBZ055	RKKB 2X4 50M
CBZ053	RKKB 2X6 50M

Cable

ACZ580 ACZ581 ACZ582 ACZ583 ACZ584 ACZ585

SAP Code	Code	Length	Cable	Color	Specification	Approvals
H03VVH2-F						
ACZ580	418120	100M	H03VVH2-F 2X0.75mm^2	White	PVC	VDE
ACZ581	418122	100M	H03VVH2-F 2X0.75mm^2	Golden	PVC	VDE
ACZ582	418123	100M	H03VVH2-F 2X0.75mm^2	Black	PVC	VDE
ACZ583	418124	100M	H03VVH2-F 2X0.75mm^2	Brown	PVC	VDE
H05VV-F						
ACZ584	418170	100M	H05VV-F 2X0.75mm^2	White	PVC	VDE
ACZ585	418173	100M	H05VV-F 2X0.75mm^2	Black	PVC	VDE
ACZ586	418174	100M	H05VV-F 2X0.75mm^2	Golden	PVC	VDE
ACZ587	418183	100M	H05VV-F 3x0.75mm^2	Black	PVC	VDE
ACZ588	418184	100M	H05VV-F 3x0.75mm^2	Golden	PVC	VDE
ACZ589	419411	100M	H05VV-F 2X1.0mm^2	White	PVC	VDE
ACZ590	419720	100M	H05VV-F 3X0.75mm^2	White	PVC	VDE
ACZ591	419721	100M	H05VV-F 3X1.0mm^2	White	PVC	VDE
ACZ592	419722	100M	H05VV-F 3X1.5mm^2	White	PVC	VDE

Installation Cable

MSO

ASB482

ASB483

ASB486

SAP Code	Length	Cable	Color	Specification	Approvals
H03VVH2-F					
ASB482	5M	H03VVH2-F 2X0.75mm^2	White	PVC	CE, VDE
ASB483	5M	H03VVH2-F 2X0.75mm^2	Black	PVC	CE, VDE
ASB486	5M	H03VVH2-F 2X0.75mm^2	Transparent	PVC	CE, VDE
ASB487	10M	H03VVH2-F 2X0.75mm^2	White	PVC	CE, VDE
ASB488	10M	H03VVH2-F 2X0.75mm^2	Black	PVC	CE, VDE
ASB489	10M	H03VVH2-F 2X0.75mm^2	Blue	PVC	CE, VDE
ASB492	25M	H03VVH2-F 2X0.75mm^2	White	PVC	CE, VDE
ASB493	25M	H03VVH2-F 2X0.75mm^2	Black	PVC	CE, VDE
ASB496	25M	H03VVH2-F 2X0.75mm^2	Transparent	PVC	CE, VDE

Installation Cable

MSK

ASB503

ASB504

SAP Code	Length	Cable	Color	Specification	Approvals
H05VV-F					
ASB497	5M	H05VV-F 3X1.0mm^2	White	PVC	CE, VDE
ASB498	5M	H05VV-F 3X1.0mm^2	Black	PVC	CE, VDE
ASB499	10M	H05VV-F 3X1.0mm^2	White	PVC	CE, VDE
ASB500	10M	H05VV-F 3X1.0mm^2	Black	PVC	CE, VDE
ASB501	25M	H05VV-F 3X1.0mm^2	White	PVC	CE, VDE
ASB502	25M	H05VV-F 3X1.0mm^2	Black	PVC	CE, VDE
ASB503	5M	H05VV-F 3X1.5mm^2	White	PVC	CE, VDE
ASB504	5M	H05VV-F 3X1.5mm^2	Black	PVC	CE, VDE
ASB505	10M	H05VV-F 3X1.5mm^2	White	PVC	CE, VDE
ASB506	10M	H05VV-F 3X1.5mm^2	Black	PVC	CE, VDE
ASB507	25M	H05VV-F 3X1.5mm^2	White	PVC	CE, VDE
ASB508	25M	H05VV-F 3X1.5mm^2	Black	PVC	CE, VDE

Installation Cable

SAP Code	Length	Specification	Color	Approvals
ANZ559	5M	MMJ 3X1,5	-	CE
ANZ560	10M	MMJ 3X1,5	-	CE
ANZ561	25M	MMJ 3X1,5	-	CE
ANZ562	5M	MMJ 3X2,5	-	CE
ANZ563	10M	MMJ 3X2,5	-	CE
ANZ564	25M	MMJ 3X2,5	-	CE
ANZ565	25M	MCMK 2X1,5+1,5	-	CE
ANZ566	25M	MCMK 2X2,5+2,5	-	CE
ANZ572	25M	MK1,5	grey	CE
ANZ573	25M	MK1,5	brown	CE

ANZ572 ANZ573

SAP Code	Length	Specification	Color	Approvals
ANZ574	25M	MK1,5	black	CE
ANZ575	25M	MK1,5	blue	CE
ANZ576	25M	MK1,5	yellow	CE
ANZ577	25M	MK2,5	grey	CE
ANZ578	25M	MK2,5	brown	CE
ANZ579	25M	MK2,5	black	CE
ANZ580	25M	MK2,5	blue	CE
ANZ581	25M	MK2,5	yellow	CE
ANZ582	5M	MKEM 6 H07V2-K	white	CE
ANZ583	5M	MKEM 6 H07V2-K	black	CE

ANZ574

ANZ575

ANZ576

ANZ577

ANZ578

ANZ579

ANZ580

ANZ581

ANZ582

ANZ583

Rubber Cable

SAP Code	Length	Specification	Approvals
ANZ567	5M	3X1,5 H07RN-F	CE
ANZ568	10M	3X1,5 H07RN-F	CE
ANZ569	5M	5X2.5 H07RN-F	CE
ANZ570	10M	5X2.5 H07RN-F	CE
ANZ571	2M	SAUNA/OVEN 5X2.5 H07RN-F	CE

ANZ567

ANZ569

ANZ571

Coaxial Cable

SAP Code	Code	Cable	Length	Specification	Color	Approvals
ACZ505	242129	75 Ohm copper reel	100m/reel	1/1.0BC+4.8FPE+AL+48/0.12CCA+OD:7.0MM	white PVC jacket	CE
ACZ506	242131	RG6 75 Ohm	100m/reel	1/1.0CCS+4.8FPE+AL+48/0.12CCA+OD:7.0MM	white PVC jacket	CE
ACZ507	242133	SAT 75 Ohm	100m/reel	1/1.0CU+4.8FPE+AL+48/0.12CCA+OD:7.0MM	white PVC jacket	CE

Loudspeaker Cable

ACZ541

ACZ217

AOF144

SAP Code	Code	Cable	Length	Specification	Color	Approvals
ACZ541	252100	2x0.35mm^2	100m/reel	2*9/0.2CCA+OD:2.1*4.2MM	transparent	CE
ACZ542	252101	2x0,5mm^2	100m/reel	2*16/0.20CU OD:2.3*4.6MM	transparent	CE
ACZ543	252102	2x0,75mm^2	100m/reel	2*22/0.20CU+OD:2.5*5.0MM	transparent	CE
ACZ544	252103	2x2,5mm^2	100m/reel	2*51/0.25CU OD:4.0*8.0MM	transparent	CE
ACZ545	252104	2x4,0mm^2	100m/reel	2*81/0.25CU OD:5.0*10.0MM	transparent	CE
ACZ546	252107	2x1,5mm^2	100m/reel	2*25/0.25CU+OD:2.6*5.2MM	transparent	CE
ACZ217	11100	2x0,35mm^2	10m/coil	(45/0.1BC+OD:3.5MM)*2F	transparent	CE

SAP Code	Cable	Length	Specification	Color	Approvals
AOF144	2x0,75mm^2	10m	2*22/0.20CU+OD:2.5*5.0mm	transparent	CE
AOF145	2x0,75mm^2	25m	2*22/0.20CU+OD:2.5*5.0mm	transparent	CE
AOF146	2x1,5mm^2	10m	2*25/0.25CU+OD:2.6*5.2mm	transparent	CE
AOF147	2x1,5mm^2	25m	2*25/0.25CU+OD:2.6*5.2mm	transparent	CE
AOF148	2x2,5mm^2	10m	2*51/0.25CU OD:4.0*8.0mm	transparent	CE
AOF149	2x2,5mm^2	25m	2*51/0.25CU OD:4.0*8.0mm	transparent	CE
AOF150	2x4mm^2	10m	2*81/0.25CU OD:5.0*10.0MM	transparent	CE
AOF151	2x4mm^2	25m	2*81/0.25CU OD:5.0*10.0MM	transparent	CE

OPAL

CIVIL ENGINEERING

Rubber Gasket

SAP code	Size
CAL518	70/50mm
CAL519	50/32mm
CAL534	70/32mm

Flexible Hose

- 32mm
- 285-750mm

SAP code	Color
CAL525	white

Geotextiles

SAP Code	Code	Specification
AEO440	MN12X100	N1 2x100m 200m^2
AEO441	MN14X100	N1 4 .5x100m 450m^2
AEQ976	MN12X10	N1 2x10m 20m^2
AEQ977	MN15X10	N1 5x10m 50m^2
AEQ978	MN15X25	N1 5x25m 125m^2
ADC966		N1 6X150m 900m^2

Coverlid

- Turnable

SAP code
CAL539

OPAL

CONSUMER GOODS

Smart Hifi Wireless Headphone With Touch Control

- Intelligent voice prompt
- Touch buttons
- Folding and rotating design
- EQ intelligent switch/noise reduction technology
- Battery indicator display
- Speaking time:10 hours
- Standby time:300hours

SAP code	Colour
ATM127	Black
ATM128	White

Headphones

- Enjoy MP3 format music stored in your mini memory card.
- Enjoy FM broadcasting program including part of camps broadcasting programs.
- Enjoy music with other devices by accessory connector Compatible with most mobiles, PADs and computers
- Special design for sharing music and radio betweenlovers.
- Working time:
  - Radio playing time: 9 hours
  - Music playing time: 12 hours
- Standard charging time: approxvvv. 2 hours
- Headphone:
  - Plug stereo dimension: φ3.5mm
  - Frequency: 20 – 20 000 Hz
  - Speaker dimension: φ40mm
  - Speaker impedance: 32Ω
  - Sensitivity: 108±3dB
- Radio:
  - Frequency: 87 – 108MHz
- Cable length: 1.2m

SAP code	Colour
ASQ626	Blue
ASQ627	Black
ASQ628	White
ASQ629	Red

https://youtu.be/Ap7x9aj22LQ

Bluetooth Headset

- Pair two devices and take a call from either
- NFC quick pairing
- 2 mics noise reduction
- Bluetooth 4.0
- Aptx audio technology, support 3.5mm audio input
- Speaking time:4HOURS
- Standby time:130hours

SAP code
ATM126

Bluetooth Earphone Speaker

- Speaker and wideband audio support
- Speaking time: 6 hours
- Standby time: 192 hours
- Charging time: 1.5-2 Hours
- Wifi transmit distance 10m(max)
- Bluetooth 4.0
- Match 8 equipment's at high tone quality (16khz)
- The same time, but only control 2 phone's music playing and calling

SAP code
ASQ630

https://youtu.be/YOMauqGdT2s

Bluetooth Dancing Water Speaker

- Support mobile phone bluetooth audio transmission
- Compatible with all the music player
- Standard USB power plug, no battery power supply
- Operating voltage: DC5V; output power: 2*3W
- Port type: USB a male to mini 5 pin 3.5mm audio joint
- Bluetooth version: 2.1 RDA

SAP Code	Color
ASQ625	black

Bluetooth Dancing Water Speaker

- Support mobile phone bluetooth audio transmission
- Compatible with all the music player
- Standard USB power plug, no battery power supply
- Operating voltage: DC5V; output power: 2*3W
- Port type: USB a male to mini 5 pin 3.5mm audio joint
- Bluetooth version: 2.1 RDA

SAP Code	Color
ASQ624	black

Magic Plasma Wireless BT Speaker

- Plasma lights dance to the rhythm of music
- Support TF card
- Aux in function,built-in amplifier
- Power by USB cable, DC 5V
- 5W
- Bluetooth: RDA 2.1+EDR

SAP Code	Weight	Dimension
ATM099	about 460g	106 * 106 * 213mm

Bluetooth Speaker

- Support: FM stereo radio
- Support: micro SD card and Flash disk, up to 16GB
- Support: 3.5stereo jack port for earphone function(no include)
- Advanced Built-in Microphone
- Connectible with: smartphone/pc/cell phone Cancellation & Noise Suppression
- Bluetooth Version: V2.1+EDR class2
- Range: 10M
- Built-in lithium battery: 3.7V 800mAh
- Power Rating: MAX350mA
- Frequency response:150Hz-20KHz
- Built-in antenna
- Charging time: about 2-3 hours
- Charge: mimi5-pin USB cable
- Talk Time: Up to 4 hours

SAP Code	Color
ATM104	Blue
ATM105	White
ATM106	Red
ATM107	Pink
ATM108	Black

https://youtu.be/b9v8fUZkbk0

LED Bluetooth Speaker

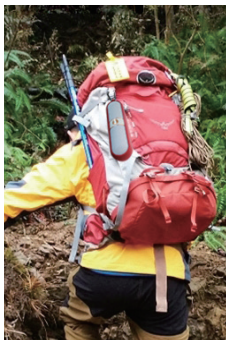
- Bluetooth intelligent connection /TF card reader/FM radio/USB driver/led light/Built-in wireless Mic/
- Aux-in/ Built-inside Battery
- Rated power: 8.0w
- Impedance: 4
- AMP Freq Range: 100Hz-18KHz
- Distortion factor: 0.5%
- S/N: 85dB
- Lithium battery Dimension: 5V/2000MAH
- Charging time: 2.5-5 hours depend on open light

SAP Code	Color
ATM100	Black
ATM101	White
ATM102	Red
ATM103	blue

Cover for Bluetooth LED Speaker

- Surface protection
- Perfect for travel
- Support for pill speaker cover housing

SAP Code	Color
ATM109	Red
ATM110	White



Waterproof Bluetooth Speaker

- Convenient to use in home, bathroom & office
- Portable, HD voice
- Designed for music play and phone speaker
- Up to 10M transmission distance
- IPX4 splash waterproof design

Built in lithium battery
Including USB cable
Loudspeaker output: 3W
Standby time: 15 - 20 days
Battery charging time: 3 - 4 hours
Music playing time: 1 - 2 hours

SAP Code	Color
AOG430	black
ASQ613	pink

Premium Bluetooth Speaker

- Bluetooth intelligent connection /TF card reader/USB driver/Built-in wireless Mic Aux-in/Built-in
- Li-on Battery/NFC function
- Rated power: 8.0W
- Impedance: 4Ω
- AMP Freq Range: 100Hz-18KHz
- Distortion factor: ≤0.5%
- Lithium battery Dimension: 5V/2000mAh
- Charging time: 2.5 hours

SAP Code	Color
ATM111	Silver
ATM112	Black

https://youtu.be/h1Uf1JjLh7E

Bluetooth Speakers

With bluetooth speaker you can listen to music and receive calls wirelessly. With Clip fastening system, speaker is also very suitable for outdoor activities.

SAP Code
ATM092

Bluetooth Speakerphone For Car Opal Superior

- HD Voice mic for enhanced noise cancellation
- Advanced Multiuse, connect to 2 Bluetooth devices simultaneously
- Bluetooth connection distance is less than 10 meters (any obstacles will make the connection distance shorter)
- Charger Output: DC 5,0 V, 400 mA
- Battery charging time: about 3 hours
- Up to 20hrs talk
- 60 days standby time

The kit includes:
- Bluetooth Speakerphone
- USB car charger, USB cable
- User's Guide
- Lithium-ion battery

SAP Code	Color
ATN061	Black

Bluetooth Speakerphone For Car

- Convenient to use in car, truck, bus
- Install and use conveniently
- Safe for driving
- Up to 20hrs phone talk
- 15 days standby time
- HD Voice mic for enhanced noise cancellation
- Advanced Multiuse, connect to 2 Bluetooth devices simultaneously

The kit includes:
Bluetooth Speakerphone
USB car charger, USB cable
User's Guide
Lithium-ion battery

SAP Code	Charger output	Charging time
AOG429	DC 5.0V, 400mA	about 3 hours

MuitiSpeaker

- Portable source: charging the phone
- Hands free(Bluetooth)
- Flashlight function
- Bluetooth Specification: V4.0 + EDR Battery
- Capacity: 2600mAh; Charging time: 3 hours
- Lighting time: 3 hours
- Music playback time: 28 hours
- Talk time: 50 hours
- LED Power: 1W
- Distance <15 m
- Support to cable, voice prompts
- Housing: ABS shell
- Input: 5V, Output: 5V

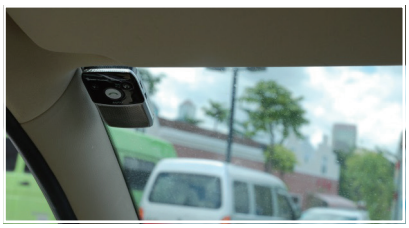
SAP Code
ATM072

Solar-Powered Multipoint Bluetooth Speakerphone

- Bluetooth version: V4.0+A2DP
- Operating frequency: 2.4GHz~2.48GHz, Max.10 meters
- Built in speaker and microphone
- Support 2 phones same time (Memory up to 8 phones)
- Battery can be charged by the solar or USB

Talk time: up to 10 hours
Standby time: up to 800 hours
Charging time: about 2 hours (car charging)
about 15 hours (solar charging)
Charging voltage: DC 5.0V, 300mA (car charging)
DC 5.0V, Max 50mA (solar charging)

SAP Code	Battery	Dimension
ATM098	400mAh	98mm (L) * 56mm (W) * 18mm(H)



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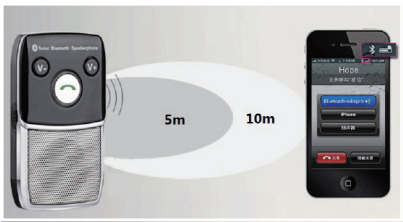


Wireless connection range reaches up to 10m.

Support 2 cellphones pairing simultaneously.

Car Windshield And Air Vent Mount Holder

- Use in car, truck and bus, etc
- Suitable for iPhone / iPod / GPS / PDA / any other mobile devices
- Easily attached and secure suction cup on windshield without tools
- 360 degree rotation with flexible arm
- The clamp arms can be extended automatically with quick release button
- The flexible arms can be adjustable to any angle for easy viewing
- With car air vent mount cradle

SAP Code	Specification
ASB554	Powerful suction cup fits both car and desk

Expandable holder: 35mm - 83mm

Portable Car Air Vent Mount

- Material: ABS+Silica Gel
- Compatible with 3.5~6.3 inch mobile phones,
- The cradle grip spread range:52~90mm
- Backside vent mounted design fits air vent blades for most of cars.
- 360 degree rotable cradle, easy to adjust the holder horizontally or vertically

SAP Code
ATM087

General Small Stent

- Adjust 360 degree spin, button can be loaded
- For glass or AC shelf
- For PDA or Smartphone + GPS navigation
- Apply for major mobile/MP4/PDA/PSP/GPS
- Material: ABS natural and unloaded easily pro-environment silicon+PVC.

SAP Code
ATM054

Ventilation Car Mount

- Expandable grip
- Fits screens up to 6"(15.2cm)
- Works with major vent types
- Soft Rubber to protect phone
- Safety in view

SAP Code
ATM048

Mobile Phone Holder

- Extra strength suction lock + ventilation bracket with extra space
- Adjustable swivel ball-head design for optimal viewing angles

SAP Code
ATM049

Bicycle Phone Holder

- Suitable for mobile phone/PDS/GPS/MP4 to fix on the bicycle.
- Quakeproof designed,the two arms in main unit can extend to a length you need.
- 360 rotating support holder.
- Convenient and reliable to use.
- Material: ABS

SAP Code
ATM050

Jump Starter

- Electric power supply for motor-start.
- Intelligent fuel gauge indicator to show the charging status and power levels.
- High efficiency & large battery capacity up to 6600mAh.
- Rechargeable, portable, easy & safe in operation.
- Lighting, 70 lumens, continuous lighting up to 33 hours.
- SOS signal light.
- Ideal for lighting or power supplying for emergency or daily use.
- Power source for 5V electronic products, e.g. smart phones, camera, tablets.

Standard Capacity: 2200mAh for 12V output, 6600mAh for 5V output.
Output port: USB 5V/2A, 12V Jump Start
Charger: 100-240V output 5V/2.0A

SAP Code	Battery
CBG730	Li-polymer 12V

Quickly respond to unexpected situations | High quality batteries | 6600mAh | Emergency lighting

Rechargeable Camping Shower

- Multi-functional
- Portable
- Mini style
- Energy conservation
- Environment protection
- Accessories in the package: Hook, holder, suction cup, USB charge cable

Water Flow: 2.5L / min on average
Battery: 3.7V 2200mAh Lithium-ion rechargeable battery
Working Time: 45-60 minutes (fully charged)
Recharging Time: 2-5 hours
Protection Level: IPX8

SAP Code	Hose Length
CBG729	1.8 M

Power Switcher
Covered by silicon gel and it's water proof

Plug Cover
Made of rubber, keep plug away from water

Charging
Red: Charging
Green: Fully charged

Car Heated Travel Mug

- Automatically cut off the power and cued by sound and light when water have been boiled
- Double insulated structure
- Electrical protection of multi structure
- Intellectually forecasting low water level
- 65°C and 40°C warm keeping

Material: ABS, PPE, PC
Power: HI mode(95W); LO mode(70W)
Voltage rating: 12V/24V
Current rating: HI mode(max 8A); LO mode(max 6A)
Power cord: 82cm

SAP Code	Capacity
ATM086	350ml

https://youtu.be/tjZQjL_0DZ4

12V Car Electric Heated Travel Mug | Stainless Steel

- Enjoy your beverage hot on the go in your car
- Simple to use - easily plugs into any 12V power outlet in the cars
- Easy to clean - stainless steel for the inside and outside body
- Antiskid pad on the bottom
- 1.5m DC power cable with indicator light
- Internal fuse for overload protection
- Quick heater and high heat preservation
- Heats liguids to temperature 65°C

SAP Code	Capacity	Lid
AOG432	400ml	PP + ABS

Usb Car Charger, 2 Way Classy

- USB ports for all mobiles, iphone, ipad
- Auto-power-off
- Quick charging

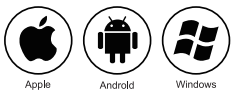
USB output: 5V
Input: DC12V~24V
Dual USB 1A and 2.1A

SAP Code	Material
ASQ622	PC+aluminium alloy

Car Charger

- USB ports for all mobiles, iphone, ipad
- Auto-power-off
- Quick charging
- Crystal packing

USB output: 5V
Input: DC12V~24V
Dual USB 1A and 2.1A

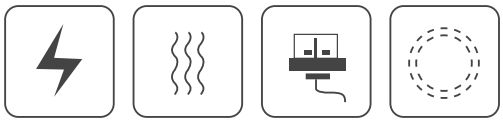


SAP Code	Material
ATM031	Aluminium
ATM063	Stainless steel

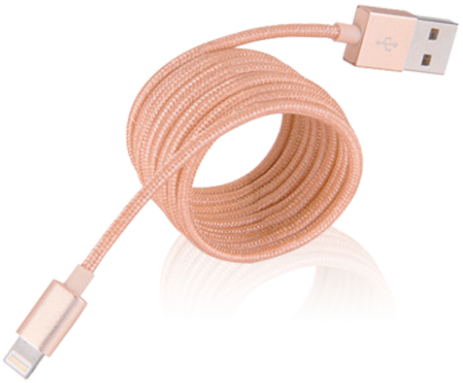
USB Sync Charging Cable

- USB data cable MFI-certified
- With braided cable
- Anti winding
- Fast charging
- Metal connector and cover

Compatible for:
iPhone 6 / 6 plus
iPhone 5S / 5C / 5
iPad (4th generation)
iPad mini
iPod touch (5th generation)
iPod nano (7th generation)

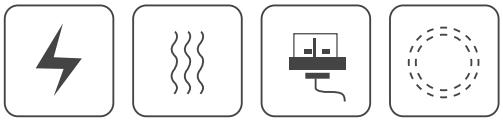


SAP Code	Length	Color
ASQ623	1 M	gold
ATN085	3 M	gold



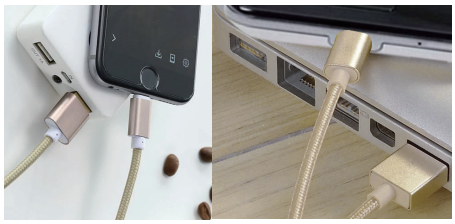
Micro-USB Charging Cable With Textile

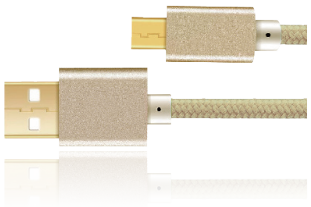
- Nylon cable
- Metal connector and cover
- With braided cable
- Compatible with mobile devices with micro-USB interface



High-speed transmission | Untangling cable | Gold plating | Textile reinforcement

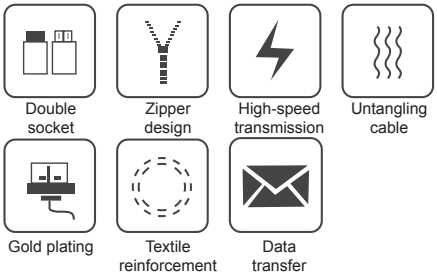
SAP Code	Length	Color
ATN084	3 M	gold

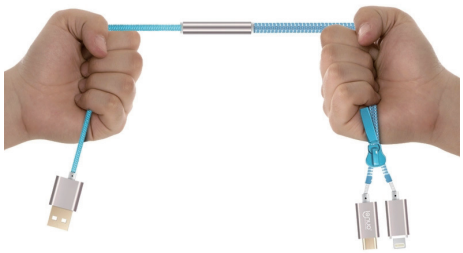




Zip Charging Cable

- Zip design
- Braided charging cable
- Both for iOS and Android phones
- Constant output:1A(Mic-USB)/2A(I5)
- Max current:2.1A





SAP Code	Length	Color
ATN068	1 M	blue

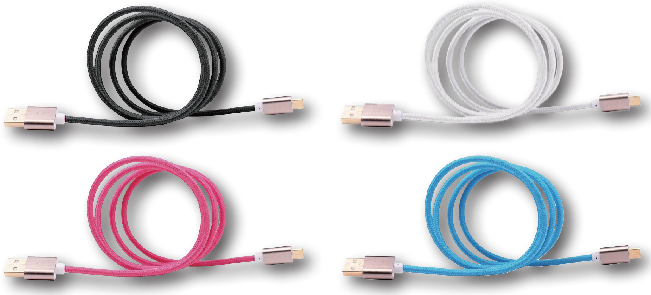
Micro USB Charging Cable

- 1M
- 1,5A MAX 2.1A

SAP Code	Color
ATN067	Golden

Micro-Usb Charging Cable

- Braided Nylon cable
- Metal connector and cover
- Work for Samsung, Nokia, HTC,etc
- High speed charging
- Cable length: 1M
- Constant output: 1.5 A
- Max current: 2.1A



SAP Code	Length	Color
ATM037	1 M	black
ATM038	1 M	white
ATM039	1 M	red
ATM040	1 M	blue

4-in-1 Universal Clamp Camera Lens

- Suitable for watching and recording sports events, concerts, and for animal observers, citizen journalists who shoot photos remotely, private detectives to take pictures for evidence etc.
- Fit for iPhone, Samsung, Nokia, Blackberry, Huawei etc, iPad and other tablet PC.

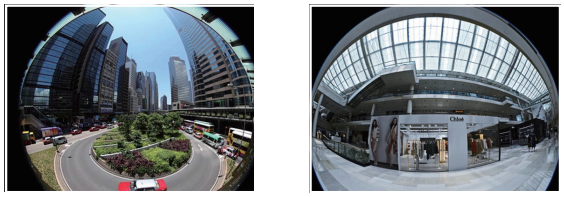
SAP Code
ATM114

10X Telescope:

- Telescope lens can shoot the scene within three hundred meters very clearly, applies to any smartphone.

Fisheye Lens:

- Magnification: Up to 180 degrees.



Wide Angle Lens:

- Magnification: 0.67X Wide Lens.

Macro Lens:

- Magnification: Super Macro Lens
- The shutting distance is between 10~23mm

2 In1 Mobile King Wide Angle Micro Lens

- 37MM 0.45X super wide angel + Micro lens, 2 in 1
- Best quality of mobile wide angle and micro lens
- For mobile equipment by using clip holder
- Wide angle lens are 50% wider than normal and more efficient to distant objects
- "PICKOGEN 37mm 2IN1 WIDE ANGLE MICRO LENS" can be equipped on cammera and VTR by using holder 46mm UV filter can be installed.

SAP Code
ATM113

Wide angle lens:

Macro Lens:

- Magnification: Super Macro Lens

4 In1 Virtual Laser Keyboard

- Multi-touch Mouse
- Voice Reading
- Bluetooth Speaker
- Keyboard Input
- Battery capacity: 5200mAh

Compatible with latest operating systems: Windows XP/ VISTA/7/8, Windows Phone 7, IOS4/5/6/7/8 (iPhone and iPad) Android 3.1 higher, Mac OS X.
Support USB interface and all Bluetooth HID for your connection convenience with mobile device, or you can directly connect with your Decktop and PAD via USB for use.

Efficient Data Input:
English QWERTY keyboard layout and fast & accurate data input, easy connection via bluetooth or USB, Detection rate over 400 characters per minute.

Ultra-portability:
Aluminum unibody finishing and stylish design persuade asthetic beauty, Ultra-portable, compact, only 180G weight.

Power bank:
Built-in 5200mAh high capacity rechargeable battery can charge a typical smart phone and tablet PC for 3 times, LED battery indicator displays the power availability.

SAP Code
ATN078

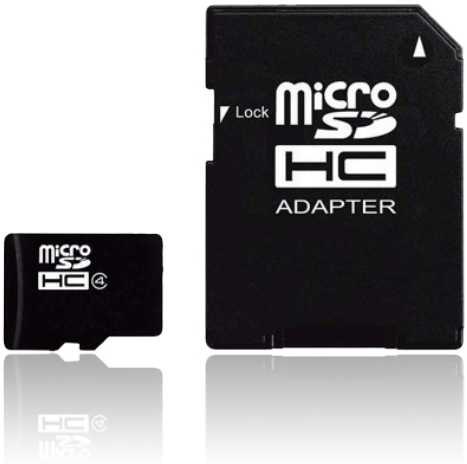
Power Bank

- Dual output with mini flashlight function
- Torch
- Aluminum body
- 2 times full charging for most of phones
- Battery type: Polymer Battery;(recycling rechargeable)
- Input:5V/1A; output 1: 5V/1A; output 2: 5V/2,1A
- Charging time: 11 hours
- Intelligent chip automatically control battery overcharge

SAP Code	Weight	Dimension	Capacity
ATM029	about 223g	155.3*75*10.5mm	8000mA
ATM030	about 170g	125.2*71.7*14.2mm	6000mA

Memory Card

- TOSHIBA chip
- Plug and play
- Class 10
- Up to 30M/s
- For digital cameras, mobile phones, GPS, MP3 players and PDAs.
- SD adapter included



SAP Code	Type
ATM044	8G
ATM045	16G
ATM046	32G

8G 16G 32G

Smart Card Reader Connection Kit (2 In 1)

- Work as USB disk driver
- Support for reading, writing, saving, copy
- Standard micro USB 2.0 interface

Android Windows

SAP Code
ATM042

Tripod 360° Rotation

- 360° rotation
- Full flexible legs for different location
- Mini tripod for phone, camera and DV
- Clip: 3.2 to 6.5"(5.5~8.5cm)
- Max. weight: 0.8kg; Max. height: 270mm

SAP Code	Color
ATM052	Red
ATM053	Black

Bluetooth Music Remote Shuttle

- Battery life: 6 months
- 10M remote control
- Bluetooth version 3.0
- Frequency: 2.4GHz ~ 2.48GHz
- Distance: 10m(30ft)
- Weight: about 12g

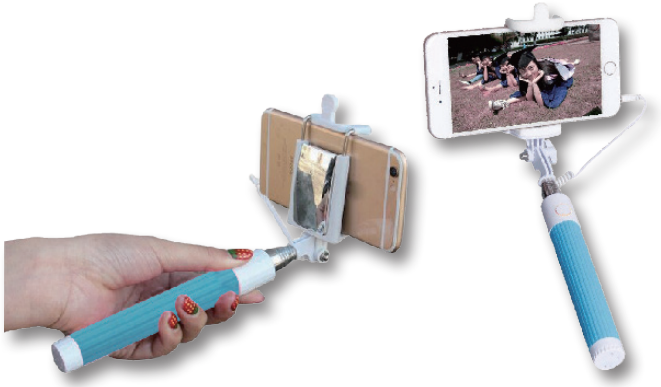
SAP Code	Dimension
ATM041	56 * 36 * 10mm

Mini Cable Selfie Stick Rearview Mirror

- Plug and play, rearview mirror to make the back high definition camera workable for selfie
- Material: Groove stainless steel pipe
- Foldable, pocket carried

Apple Android

SAP Code	Extension length	Max load
ATM089	193-810mm	500g



Mini Bluetooth Selfie Stick Rearview Mirror

- Automatic shut-off design(10mins on inactivity), long standby time
- Rearview mirror to make the back high definition camera workable for selfie
- Foldable,Mini,pocket carried
- Material:TPU, ABS, silicon, Groove stainless steel pipe

Apple Android

SAP Code	Extension length	Max load
ATM090	193-810mm	500g

Multi-Function Phone Photo-taking

- Four different modes: pull mode, handle mode, tripod mode and desktop mode
- Tripod and selfie stick
- Stainless steel bracket
- Portable to carry

SAP Code
ATM088

iOS

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Sports Armband Hands Free

- Hands free while engaging in any activity
- Touchable screen
- Waterproof material
- Fix earphone
- Breathable material
- Key and card holder
- Material: Neoprene

SAP Code	Color	For Max
ATM055	Blue	4.7'
ATM056	White	4.7'
ATM057	Black	4.7'
ATM058	Red	4.7'
ATM059	Blue	5.5'
ATM060	White	5.5'
ATM061	Black	5.5'
ATM062	Red	5.5'

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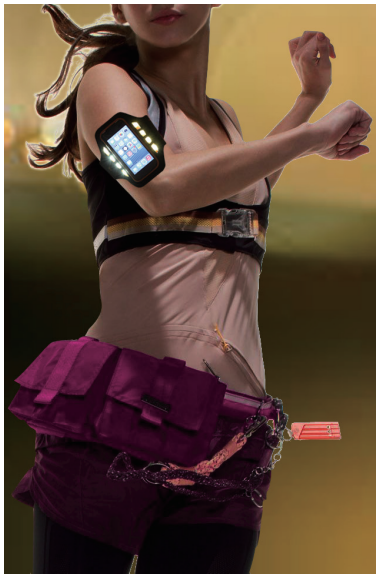
touch phone music surf

LED Armband

- Hands free
- LED lights
- Touchable screen
- Waterproof material
- Fix earphone
- Key and card available
- Material: Neoprene
- For max. 5' mobile



SAP Code	Color
ATM065	Black
ATM066	White
ATM067	Blue
ATM068	Rose
ATM069	Red
ATM070	Purple

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touch phone music surf

Waterproof Bag For Phone

- Touchable screen
- Waterproof class:3m
- Made of PVC material
- For max. 5,5' phone

SAP Code
ATM115

touch phone music
movie surf photo

https://youtu.be/iLBMpPznwMo

Waterproof Bag For Tablet

- Water depth: within 3 meters
- Touchable screen
- Material: PVC + ABS
- Suitable for tablet max. 9.7 inch

SAP Code	Color
ATM119	Black
ATM120	White
ATM121	Blue
ATM122	Orange

touch phone music
movie surf photo

https://youtu.be/rmhczRvKGqM

Waist Pack Belt With Two Bottle Holders

- Kettle rope sling with reflective dots
- Kettle pockets: width 9.5cm for 350ml bottled water
- Skidproof fabric
- High elastic rubber band
- Adjustable range: 84cm ~ 106cm

SAP Code	Color
ATN112	Black

Slim Dual-Packet Belt

- Elastic fabric for more space
- Reflective waterproof zipper and fabric
- Dual pockets for phone, keys, wallet, MP3, compact camera
- Adjustable band range: 79cm~100cm

SAP Code	Color
ATN113	Green
ATN114	Grey
ATN115	Blue
ATN116	Black

Zip Headphones

- Zip design
- Speaker: φ10mm
- Sensitivity: 100dB
- Impedance: 32Ω
- Frequency Response: 20Hz-20000Hz stereo
- Plug cable: 3.5mm
- Microphone: φ1.2m

SAP Code	Color
ASQ632	Green
ASQ633	Red
ASQ634	White
ASQ635	Blue

Earphone With Mic

High-quality earphone with stylish design. Well-fitting Silicone plugs, built-in microphone with answer button (play / pause).
Suitable for iPhone and iPad, as well as most Windows and Android phones.

- 3.5mm Stereo plug
- Material: Aluminum
- Cable length: 120cm
- Impedance: 16Ω
- Mic Frequency Response: 20-20000Hz

SAP Code	Type
ASQ607	Earphone with mic cable length 120cm

USB Mini Fan

- Power source plug: USB
- Special metal structure design, more stable and stronger
- Smart shape, cool and soft wind
- Power cord length: 1.2M
- 360 degree up and down adjustable
- Power: 5W, Voltage: 5V
- N.W. 390G

SAP Code	Size	Color
ATM082	5"	Purple
ATM083	5"	Pink
ATM084	5"	White
ATM085	5"	Blue

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USB power

Cool and soft wind

Super quiet

Cowboy Cap Humidifier

- Home USB charger
- Material: ABS + PP + PCD
- Voltage: 5V; Current: 0.2A; Power: 2W

SAP Code	Humidification	Color
ATM078	10 - 35 ml/h	Black
ATM079	10 - 35 ml/h	Pink
ATM080	10 - 35 ml/h	Blue
ATM081	10 - 35 ml/h	White

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Digital Scale

- 5-digit LCD display
- Back light
- Capacity: 2000g*0.1g
- Automatic power off after 1 minute (default)
- Working temperature: 5 - 35°C
- Power supply: battery "AAA" x 2

SAP Code	Scales size
ATM123	122 x 75.4 x 19mm

Doorbell Wireless Clock

- The receiver speaker outputs clear sounds with a choice of 36 melodies
- LED light indication
- The range is up tp 100 meters in an open area
- The receiver uses 4 x AA batteries (not included)
- The transmitter supplied with 1 x CR2032 battery
- The transmitter is water resistant (IP44)
- Sweep movement for wall clock

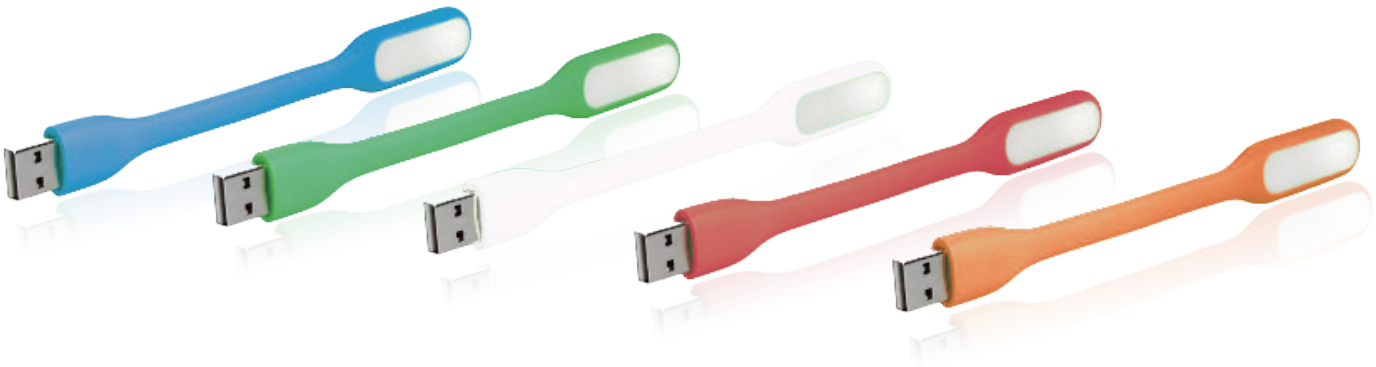
Rated voltage: DC 4.5V
Volume range: 60-100dB
Transmit power: < 20mW
Working frequency: 433.92MHz / 315MHz

SAP Code	Color
ATM074	White
ATM075	Blue

LED Portable Lamp

- USB Power Supply
- Eyesight protection
- Flexible body
- Ultra bright
- Light body with 6 LED lights
- 5V USB socket
- 1.2W light source

SAP Code	Quantity	Color
ATM032	2 pcs / box	blue
ATM033	2 pcs / box	white
ATM034	2 pcs / box	green
ATM035	2 pcs / box	red
ATM036	2 pcs / box	orange



Colorful Dream Lamp

- Touch switch
- Sound control
- 30 pcs LED lights
- 5 natural sounds
- Energy saving
- 200 lumens of light levels (approximately equal to 25W)

SAP Code	Rated power	Rated voltage
ATM047	3W	5V

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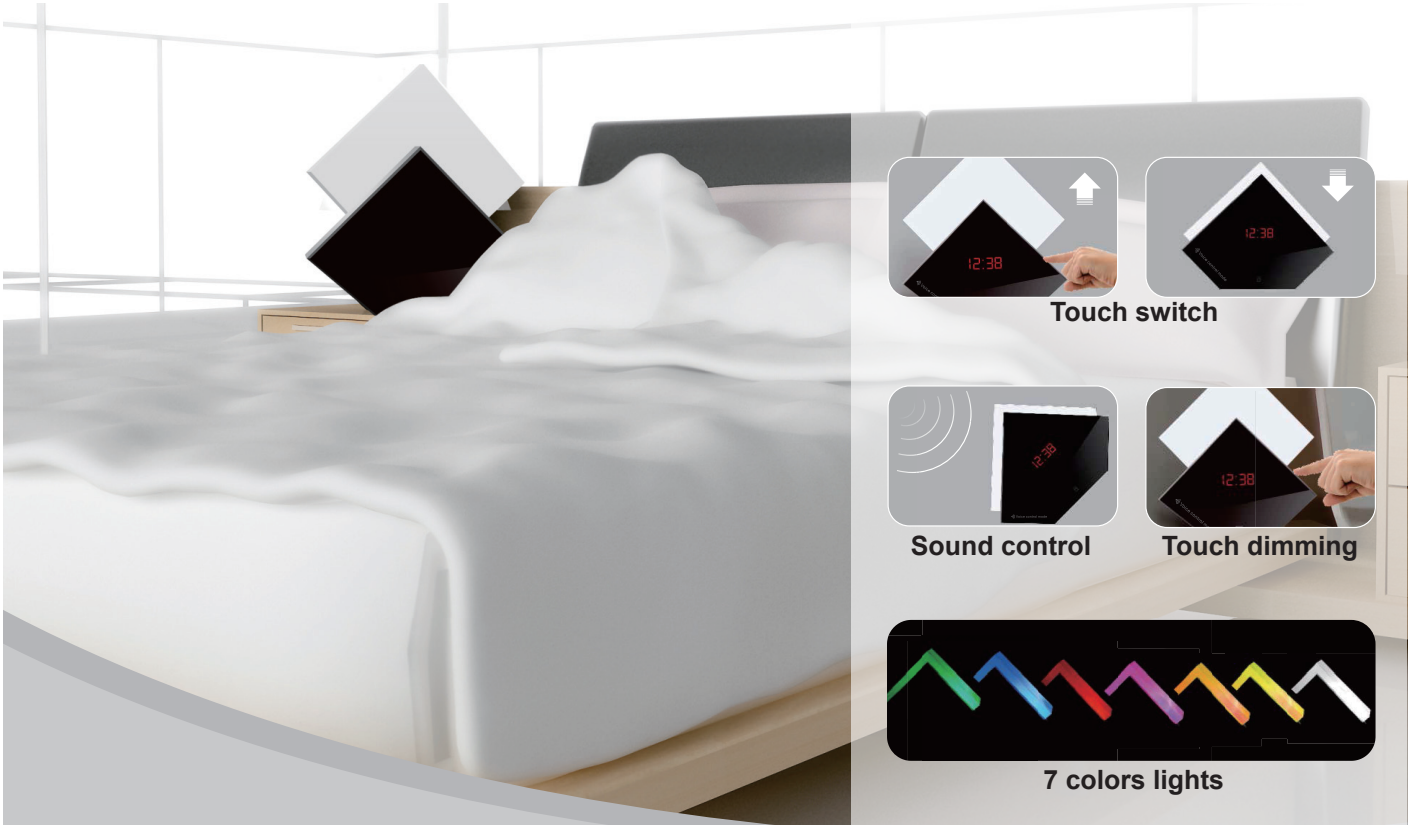


Tower Fan

Modern designed tower fan, safe to use and easy to keep it clean. The tower model is narrower than the propeller type so it can be easily used in tight spaces.

• 220-240V~50Hz, 55W
• 90° oscillation
• 3 speeds control
• 3 operation models: Normal / Nature / Sleep
• Timer (O.5 - 7.5 hours)
• Remote control
• Height: 90 cm

SAP Code	Type
ASQ618	Remote control Tower fan

Metal Fan

High quality table fan with elegant design. Table fan is made of metal and has quiet operation noise.
Available in 30 cm & 40 cm sizes.

• 220-240V~50/60Hz, 35W / 50W
• 30CM/40CM table fan
• 3 speed control
• 70° oscillation

SAP code	Type
ASQ616	Metal Table Fan 35W
ASQ617	Metal Table Fan 50W

Table Fan

• Quiet operation
• 3-speed keyboard control
• Adjustable neck angle
• Stable base
• 90°-5° oscillation to cool down a whole room
• Great for the home or office
• Innovating and stylish design

220-240V~50/60Hz
Cable length: 1.5m

SAP Code	Rated power	Fan speed	Volume	Noise
ADD353	45W	≥5.0 m/s	≥30.6m³/min	63dB(Max)
ADD354	55W	≥5.1 m/s	≥54m³/min	67dB(Max)

Stand Fan

• 16" stand fan
• 220-240V 50Hz, 50W
• Speed Setting: 0,1,2,3
• Mesh grill
• 120 oscillation
• With full copper motor
• Height is adjustable, total height 1.30M
• Plug Type: 3 X 0.75mm² X 1.8m, European plug

SAP code
CBR043

Infrared Ear Thermometer

Infrared ear thermometer measures temperature from eardrum that has been found clinically reliable source of body temperature. It is a high quality product that uses latest technology and is tested in accordance with international standards. It performs a self-test every time and can be used by consumers in household environment and by doctors in a clinic as a reference.

Unique Thermoscan feedback system confirms that the thermometer is in right position and then confirms an accurate temperature reading by constant light and beep.

Accurate and safe for newborns and whole family

Infrared body thermometer is more convenient to use than traditional thermometer

- 1 second fast measurement
- Temperature unit: °C & °F
- Extra comfort memory recalls last 8 temperature

Body Temp. Range: +32.0°C to +42.9°C
Basic Acccuracy: +35.5°C to +42.0°C (±0.1°C)
Resolution: 0.1°C / 0.1°F
Response time: 0.5S
Operating environment: +5°C to +40°C

SAP Code	Size (H x W x D)	Weight
ASN254	155 x 50 x 33mm	68g

Infrared body thermometer is more convenient to use than traditional thermometer

1s fast measurement with Flash and Buzzer indication

Wide application for home use

Suitable for all ages

Mini Non-Contact Forehead Infrared Thermometer

- Easy to use by consumers in household environment and by doctors in a clinic
- Precise non-contact body temperature measurements
- Selectable °C or °F Forehead heat detection
- Selectable body and surface temperature
- Automatic data hold & auto power off
- Automatic selection range
- 0.5 - 2.5cm measuring distance

Body temperature range: +30.0°C to +42.5°C
Surface temperature range: 0°C to +60°C
Display resolution: 0.1°C / 0.1°F
Response time: 0.5 second
Over range indication: LCD will show "Hi" / "Lo"
Emissivity: fixed at 0.95
Spectral reponse: 6 ~ 14um
Power off: automatic shut off after 7 seconds, approx

SAP Code	Size (H x W x D)	Weight
ASN255	80 x 40 x23mm	33g

Cobblestone Weather Station

- Date, time, indoor and outdoor temperature and humidity readout
- Outdoor temperature detection range: -40 to +50°C Indoor temperature detection range: 0 to +50°C
- Weather forecast function (by collecting indoor and outdoor temperature and humidity data)
- Low power of sensor display
- 12 hours or 24 hours format selection
- Colorful LCD backlight
- Alam setting with snooze function

SAP Code	Voltage	Color
ATM076	5V	black

Indoor/Outdoor Thermometer

- Indoor temperature: -9.9°C to +50°C.
- Outdoor temperature: -35°C to +50°C.

SAP Code	Specification
ALV423	Time (12/24 format); Alarm & Snooze. Perpetual calendar; Week displays in 5 languages. Temperature (°C or °F) Indoor humidity: 20% to 90%. Max/Min temperature & Humidity record Moon Phase. Temperature cable (1.5m) Accuracy: +/-1°C Power consumption: 2xbutton cell(LR1130)(included)

Cooking Thermometer

- Max. temperature +250°C
- Due to its wide measuring range, it is utilizable for a great number of applications
- With a magnet on back for sticking, with hooking hole
- Cook temperature control function and timer function

SAP Code	Specification
ALT488	6.5x7.0x1.7cm; Count down max 99 min 59sec; Power consumption: 1xAAA(not included); 1.0m cable thermometer sensor

Cooking Thermometer

SAP Code	Specification
ASB548	Manual set of target temperature Temperature alarm Temperature display in °C/°F Count up/down timer Receiver part with clip RF wireless temperature LED back light

Wireless Weather Station

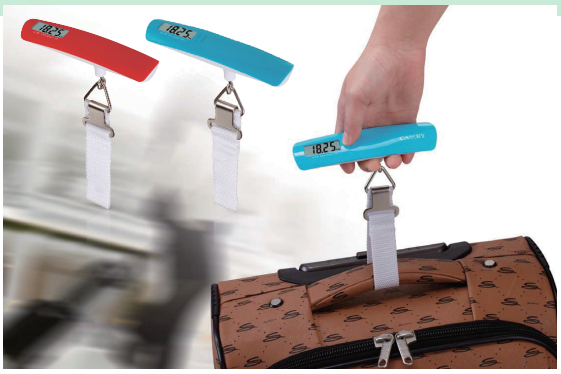
• Indoor temperature: 0°C to 50°C;
• Outdoor temperature: -35°C to +50°C; Working range: up to 30M

SAP Code	Specification
AJK412	Time (12/24 format) ; crescendo alarm with snooze, Alarm/snooze: 5 minutes alarm ring.; Perpetual Calendar; Weekday display in 7 languages: German, English, Italian, French, Danish, Dutch, Spanish Weather trend display: sunny, partly cloudy, cloudy and rainy Temperature(°C or °F) Indoor/outdoor temperature and its trend Indoor humidity, Humidity range: 20%RH~95%RH Linkup to maximum three outdoor wireless transmitters Moon phase display; Comfort level Wall mount and desktop option Each sale unit includes 1 wireless transmitter Power consumption: 2xAAA batteries for main unit(exclude) 2xAAA batteries for wireless sensor(exclude) Wireless transmitter with cable themometer sensor(1.5m)

Electrical Digital Luggage Scale

• Zero and tare
• 33.8 x 12.8mm LCD display with background light
• Low battery / over load indication
• Capacity: 50kg / 110lb
• Accuracy: 50g / 0.1 lb
• Power: 1 x 3V lithium cell CR2032 (included)

SAP Code	Color
ATN065	Red
ATN066	Blue



Electrical Digital Luggage Scale

• Room temperature display
• 0.4"(11.3mm) LCD display with background light
• Zero and tare
• Low battery / over load indication
• Capacity: 50kg / 110lb
• Accuracy: 50g / 0.1 lb
• Power: 1 x 3V lithium cell CR2032 (included)

SAP Code
ATN063

Electrical Digital Luggage Scale

• 1m measuring tape
• Zero and tare
• 15*20.5mm LCD display with background light
• Low battery / over load indication
• Capacity: 50kg / 110lb
• Accuracy: 50g / 0.1lb
• Power: 2 x 1.5V AAA batteries (not included)

Weigting

Blue backlight for botton & LCD

With retractable measuring tape

SAP Code
ATN064

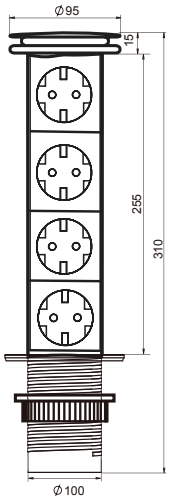
OPAL

ELECTRICAL

Telescopic Desk Socket

- Convenient to use
- Easy to set up
- Combination of style and functionality
- 1,5M H05VV-F 3G1.5mm^2

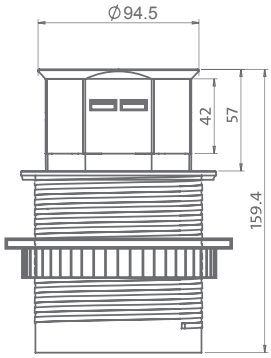
SAP Code	Specification
ATN098	4 x 16A veritical desk socket



Telescopic Desk Socket With USB

- Innovative design, compact
- Telescopic desk socket with 2 USB charging ports
- Desk socket Diameter 100mm
- 1,5M, H05VV-F 3G1.5mm^2
- Frame color: Aluminum

SAP Code	Specification
ATN069	Three grounded sockets, 230V 16A 2USB (2.1A)

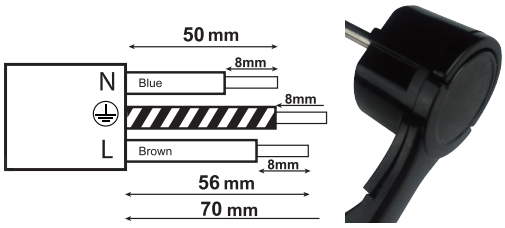


Plug With Ground

- Mini flat plug
- Ultra flat
- Compact design
- Innovative looking
- Space saver

Plug for cables:
-H05VV-F-3G1mm^2,
-H05VV-F-3G1.5mm^2
Screw size: 6mm

SAP Code	Specification	Color
ATN096	16A-230V~ Max. 3680W	White
ATN097	16A-230V~ Max. 3680W	Black



Plug

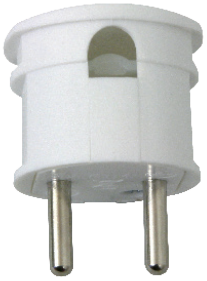
SAP Code	Specification
ASN245	White
ASN246	Earthed black
ASN247	Earthed white
ASN248	Earthed white 90

ASN245 ASN246 ASN247 ASN248

Plug

• Rewirable

SAP Code	Material	Voltage	Earthed	Specification
ACZ277	PP	16A, 250V	without earth	white; for PVC cables



Plug

• Rewirable

SAP Code	Type	Specification
ACZ382	black	Rubber, 1,5mm^2, IP44
ACZ383	black	Rubber, 2,5mm^2, IP44
ACZ636	black	Rubber, angle, 250V/16A, IP44
ACZ279	white	PVC earthed, for PVC cables, PP material
ACZ283	black	
ACZ284	grey	

ACZ382 ACZ383 ACZ636

ACZ279 ACZ283 ACZ284

Plug

• Easy in and out
• Strong structure
• Rewireable
• Schuko plug with O ring design
• With TPR material
• IP44
• 16A, 250V~

SAP Code	Color
ATN094	Black

Extension Socket Outlet

SAP Code	Code	Type	Specification	Approvals
ACZ322	12537	-	rubber 2,5mm^2, Black, IP44	CE
ACZ323	12538	earthed	rubber 1,5mm^2, Black, IP44	

ACZ322 ACZ323

Extension Socket Outlet

- With screw type terminals
- Rubber socket
- straight
- Black
- rewirable
- without shutter

SAP Code	Specification	Approvals
ACZ324	16A, 250V~, earthed, IP44	CE Semko

Extension Socket Outlet

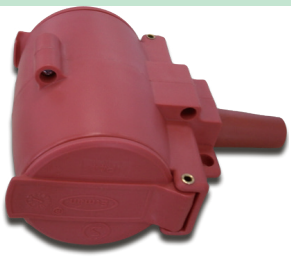
SAP Code	Code	Type	Specification	Approvals
ACZ299	12475	2-way	earthed, black, IP44	CE
ACZ295	12464	3-Way		

ACZ299

ACZ295

2-Way Extension Socket Outlet

SAP Code	Specification	Approvals
ACZ298	16A 250V, IP44, 2-way socket earthed, red	CE Semko



3-Way Extension Socket Outlet

- With children protection

SAP Code	Specification	Approvals
AMM405	IP44, 3-way adapter, with shutters, 16A 250V~, Max. 3680W	VDE

Extension Socket

SAP Code	Specification
ASN249	16A, 250V, material: PP, shutter: PC, White
ASN250	16A, 250V, material: PP, shutter: PC, Earthed black
ASN251	16A, 250V, material: PP, shutter: PC, Earthed white

ASN249

ASN250

ASN251

Extension Socket Outlet

- Rewirable
- Child protection

SAP Code	Material	Voltage	Earthed	Specification	Approvals
ASN251	PP	16A/250V	earthed	white	BG

Adapter

• With child protection

ACZ278

ACZ286

ACZ288

ACZ290

SAP Code	Code	Material	Socket	Voltage	Earthed	Approvals
ACZ278	12433	PP PC	3 schuko socket	16A, 250V	3-way earthed	CE
ACZ286	12445	PP PC	2 Euro ways socket	2.5A/250V	-	CE
ACZ288	12447	PP PC	2 EURO ways +1 schuko socket	16A and 2.5A/250V	-	CE
ACZ290	12449	-	2*16A unearthed socket	16A, 250V	without earth	CE

ACZ285

ACZ287

AMD971

SAP Code	Code	Material	Socket	Voltage	Earthed	Specification	Approvals
ACZ285	12444	PP PC	4 EURO ways socket	2.5A/250V	-	-	CE
ACZ287	12446	PP	2 schuko socket	2*16A, 250V	Earthed	white	CE
AMD971	E124048	-	2 ways socket	16A 250V~	Earthed	IP44, Max.: 3500W, black	TUV

Adapter

SAP Code	Specification	Approval
ACZ297	IP44, black, earthed	CE

Adaptor, 3-Ways

• Adaptor 3-ways
• Convenient to use
• With child protection
• 16A, 250V~, Max. 3680W

SAP Code	Color
CBF797	White

Adapter 2-Way

• Transienttisuoja, 2-osainen.

SAP Code
ACZ296

Travel Adapter

• **American plug**: Suitable for virtually all of the USA, Canada, the Middle East, South America and most Asian countries.
• **Southern European plug**: Suitable for Italy, Spain, France, Greece and other Southern European countries.
• **African/Asian plug**: Suitable for virtually every (former) Commonwealth country.
• **U.K. plug**: Suitable for U.K. and Ireland.

SAP Code	Specification	Approval
ACZ659	10/16A 250V~, 13A/250V	CE

USB Charging Adapter

With dual charging USB outlets, Max. 2100mA for convenience charging.
Each USB port has an output of 5V (Noted: both USB port share the same supply, total current is 2100mA).

• USB Output voltage: 5V±0.25VDC
• USB Output current: Max. 2100mA for 2 simultaneous USB ports
• USB Input: 100-240VAC, 50/60Hz
• 2.5A 250V~ Max.10.5W for 2-pole plug

SAP Code	Color
ATN117	White

Adapter with USB

• 2100mAh
• 16A, 250V~
• With children protection
• With earth

SAP Code	Color
ASQ615	White

Adapter with USB and Switch

• 2100mAh
• 16A, 250V~
• With switch
• With children protection
• With earth

SAP Code	Color
ASQ614	White

Schuko Adapter With Switch

SAP Code	Specification	Approval
ALT404	16A/250V;Material: PP 1 ways schuko socket with switch, earthed, white, with children protection N.W.: 0.077kg, 9×4×7cm	CE

Child Protection Part

• Material: PC
• White

SAP Code	Specification
ASN236	5 PCS

3 Way Extension Cord With Flat Plug

- Flat plug
- Compact design
- Space saver
- With children protection
- 1.5m PVC H05VV-F 3G1.5mm^2
- With earth
- Switch
- 16A/250V, MAX 3500W

SAP Code	Color
CBG622	white

Extension cord with USB

- With child protection
- With 2 USB charging jacks, 1A charging current

ANF179

ANF180

SAP Code	Code	Socket	Length	Cable	Voltage	Color	Earthed	Switch	Approvals
ANF179	E124203	3-way	1.4m net length	H05VV-F 3G1.5mm^2	250V, 16A; MAX 3680W	White	earthed	without switch	RoHS, CE
ANF180	E124204	3-way	1.4m net length	H05VV-F 3G1.5mm^2	250V, 16A; MAX 3680W	White	earthed	with lighted switch	RoHS, CE

Extension Cord

- 2m textile cable
- H05VV-F 3G 1.5mm2
- 16A, 230V~ Max.3680W
- 3 way socket
- Schuko plug
- With earth
- With children protection

SAP Code	Color
ATN079	Black
ATN080	Black / White
ATN081	Red
ATN082	Green
ATN083	Yellow

Camo Extension Cord

- Camouflage
- Camouflage schuko socket 3 ways with switch H05VV-F 3G1 .5 mm2
- 1.5 meters length black cable
- Standard black plug
- With child protection socket
- With switch
- 16A/250V Max 3680W, PP material

SAP Code	Color
ASQ619	Green/Black
ASQ620	Grey/Black

Cord With Switch And Lampholder

- Easy connector

SAP Code	Specification	Approval
ACZ632	3,5m, H03VVH2-F 2*0.75mm^2, Europlug, with E14 lampholder and fittings	Semko

Extension Cord

- With children protection.
- 50pcs in one box
- 3 way 1,5m color socket
- H05VV-F 3G 1,5mm2
- PVC cable
- 250V, 16A

SAP Code
ASB556

Extension cord

- With child protection

ANK398

ANK399

SAP Code	Code	Socket	Length	Cable	Voltage	Color	Earthed	Switch	Specification	Approvals
ANK398	E124104	3-way	1,5m	H05VV-F 3G1.5mm^2	250V, 16A; MAX 3500W	Pink (RAL4003 or Pantone211U)	earthed	with switch	PVC cable	GS, CE
ANK399	E124105	3-way	1,5m	H05VV-F 3G1.5mm^2	250V, 16A; MAX 3500W	blue (RAL5015 or Pantone2718U)	earthed	with switch	PVC cable	GS, CE

Extension cord

- With child protection

ANK396

ANK397

ALT406

SAP Code	Code	Socket	Length	Cable	Voltage	Color	Earthed	Switch	Specification	Approvals
ANK396	E124102	6-way	3M	H05VV-F 3G1.5mm^2	16A/250V, MAX 3500W	black	earthed	with switch	Material: PP	CE, GS
ANK397	E124103	6-way	5M	H05VV-F 3G1.5mm^2	16A/250V, MAX 3500W	black	earthed	without switch	Material: PP	GS, CE
ALT406	177205	3-way	3M	H05VV-F 3G1.5mm^2	250V, 16A	Black	earthed	with switch	PVC cable	GS, CE

Extension cord

- With child protection
- With overload protection
- Material Aluminum
- TV, TEL jack; NETWORK jack
- Surge protection indicator

SAP Code	Code	Socket	Length	Cable	Voltage	Earthed	Switch	Approvals
AJL797	190120	6-way	3M	H05VV-F 3G1.5mm^2	16A/250V, MAX 3500W	earthed	with lighted switch	CE, GS

Extension cord

• With child protection

AJG421

SAP Code	Code	Socket	Length	Cable	Voltage	Color	Earthed	Switch	Specification	Approvals
AJG421	124098	1-way	5M	H03VVH2-F 2X0.75mm^2	2.5A/250V	white	without earth	without switch	Material: PP, PVC	SEMKO; CE
AJG422	124099	1-way	10M	H03VVH2-F 2X0.75mm^2	2.5A/250V	white	without earth	without switch	Material: PP, PVC	SEMKO; CE

Extension cord

• With child protection

ACZ610

ACZ613

SAP Code	Code	Socket	Length	Cable	Voltage	Color	Earthed	Switch	Specification	Approvals
ACZ610	46115	6-way	1.5M	H05VV-F 3G1.5mm^2	16A/250V, MAX 3500W	white	earthed	without switch	Material: PP	GS, CE
ACZ611	46130	6-way	3M	H05VV-F 3G1.5mm^2	16A/250V, MAX 3500W	white	earthed	without switch	Material: PP	GS, CE
ACZ612	46150	6-way	5M	H05VV-F 3G1.5mm^2	16A/250V, MAX 3500W	white	earthed	without switch	Material: PP	GS, CE
ACZ609	46110	6-way	10M	H05VV-F 3G1.5mm^2	16A/250V, MAX 3500W	white	earthed	without switch	Material: PP	GS, CE
ACZ613	46215	6-way	1.5M	H05VV-F 3G1.5mm^2	16A/250V, MAX 3500W	white	earthed	with switch	Material: PP	CE, RoHS
ACZ614	46230	6-way	3M	H05VV-F 3G1.5mm^2	16A/250V, MAX 3500W	white	earthed	with switch	Material: PP	CE, GS
ACZ615	46250	6-way	5M	H05VV-F 3G1.5mm^2	16A/250V, MAX 3500W	white	earthed	with switch	Material: PP	CE, GS

Extension cord

• With child protection

ACZ509

ACZ511

ACZ514

SAP Code	Code	Socket	Length	Cable	Voltage	Color	Earthed	Switch	Specification	Approvals
ACZ509	24253	3-way	1.5M	H05VV-F2G1.0mm^2	10A/250V, Max. 2500W	White	without earth	without switch	Material: PP, PVC	KEMA, RoHS
ACZ516	24353	3-way	3M	H05VV-F2G1.5mm^2	16A/250V, MAX 3500W	White	without earth	without switch	Material: PP, PVC	KEMA, RoHS
ACZ511	24260	3-way	0.5M	H05VV-F 3G1.5mm^2	16A/250V, MAX 3500W	white	earthed	without switch	Material: PP	GS, CE
ACZ512	24263	3-way	1.5M	H05VV-F 3G1.5mm^2	16A/250V, MAX 3500W	white	earthed	without switch	Material: PP	GS, CE
ACZ517	24363	3-way	3M	H05VV-F 3G1.5mm^2	16A/250V, MAX 3500W	white	earthed	without switch	Material: PP	GS, CE
ACZ525	24563	3-way	5M	H05VV-F 3G1.5mm^2	16A/250V, MAX 3500W	white	earthed	without switch	Material: PP	GS, CE
AJG426	E124101	3-way	10M	H05VV-F 3G1.5mm^2	16A/250V, MAX 3500W	white	earthed	without switch	Material: PP	GS, CE
ACZ514	24283	3-way	1.5M	H05VV-F 3G1.5mm^2	16A/250V, MAX 3500W	white	earthed	with switch	Material: PP	GS, CE
ACZ518	24383	3-way	3M	H05VV-F 3G1.5mm^2	16A/250V, MAX 3500W	white	earthed	with switch	Material: PP	GS, CE
ACZ526	24583	3-way	5M	H05VV-F 3G1.5mm^2	16A/250V, MAX 3500W	white	earthed	with switch	Material: PP	GS, CE

Extension cord

• With child protection

ACZ494

AJG420

ACZ492

SAP Code	Code	Socket	Length	Cable	Voltage	Color	Earthed	Switch	Specification	Approvals
AJG420	124097	1-way	3M	H03VVH2-F 2X0.75mm^2	2.5A/250V	white	without earth	without switch	Material: PP, PVC	SEMKO; CE
ACZ492	24153	1-way	3M	H05VV-F2G1.5mm^2	16A/250V, MAX 3500W	white	without earth	-	Material: PP, PVC; With assistant holder	SEMKO, RoHS
ACZ493	24155	1-way	5M	H05VV-F2G1.5mm^2	16A/250V, MAX 3500W	white	without earth	-	Material: PP, PVC; With assistant holder	CE, RoHS
ACZ494	24161	1-way	1.5M	H05VV-F 3G1.5mm^2	16A/250V, MAX 3500W	white	earthed	without switch	Material: PP	GS, CE
ACZ495	24163	1-way	3M	H05VV-F 3G1.5mm^2	16A/250V, MAX 3500W	white	earthed	without switch	Material: PP	GS, CE
ACZ496	24165	1-way	5M	H05VV-F 3G1.5mm^2	16A/250V, MAX 3500W	white	earthed	without switch	Material: PP	GS, CE
AMS164	E124100	1-way	10M	H05VV-F 3G1.5mm^2	16A/250V, MAX 3500W	white	earthed	without switch	Material: PP	GS, CE

Cable Reel

SAP Code	Code	Voltage	IP Standard	Length	Cable	Full-reeled	Unreel	Specification	Approvals
ACZ490	24145	16A, 230V	20	5M	H05VV-F 3G1.5mm^2	Max.1100W	Max.3200W	4-way socket, white, with children protection; with thermal cut-out protection	CE, RoHS

Waterproof Cable Box

• Convenient to use in different locations
• For more safety in cable connectors
• Protection against moisture
• With cable winding
• IP44

SAP Code	Dimension	Color
CAS006	220 x 90 x 90 mm	Green

Outdoor Extension cord

ACL468

ABK396

ABK397

SAP Code	Code	Length	Cable	Specification	Approvals
ACL468	E198999	5m	H05RR-F3G1.5mm^2	16A/250V	cable approved by VDE
ABK396	E199000	10m	H05RR-F3G1.5mm^2	16A/250V	cable approved by VDE
ABK397	E199015	20m	H05RR-F3G1.5mm^2	16A/250V	cable approved by VDE

ACU299

ABK398

SAP Code	Code	Length	Cable	Specification	Approvals
ACU299	E124041	5m	H05RR-F 3G 1.5mm^2	16A/250V, 2-way	VDE,RoHS,REACH
ABK398	E199005	10m	H05RR-F 3G 1.5mm^2	16A/250V, 2-way	VDE,RoHS,REACH
ABK399	E124042	20m	H05RR-F 3G 1.5mm^2	16A/250V, 2-way	VDE,RoHS,REACH

Outdoor Extension Cord 3-Way

• IP44

SAP Code	Code	Type	Specification
ABK400	E124086	10m	H05RR-F 3g1,5mm^2
ABK401	E124087	20m	

Outdoor Extension Cord

• IP44
• -35°C low temperature

ACZ503

SAP Code	Code	Length	Cable	Specification	Approvals
ACZ503	24195	10m	H07RN-F 3G 2,5mm^2	1-way, 16A/250V, rubber cable	CE, S, FI, N
ACZ504	24196	20m	H07RN-F 3G 2,5mm^2	1-way, 16A/250V, rubber cable	CE, S, FI, N

Outdoor Extension cord

AED661

AED662

SAP Code	Code	Length	Cable	Specification	Approvals
AED661	E199022	10m	H07RR-F3G2.5mm^2	16A/250V, 2-way	VDE,RoHS,REACH
AED662	E199023	20m	H07RR-F3G2.5mm^2	16A/250V, 2-way	VDE,RoHS,REACH

Extension cord

- With child protection
- With switch

SAP Code	Code	Socket	Length	Cable	Voltage	Earthed	Specification	Approvals
AJL796	190119	5-way	3M	H05RR-F 3G1.5mm^2	16A/250V, MAX 3500W	earthed	material PP; black; IP44	CE, GS

CEE Extension cord

- IP44
- -35°C low temperature

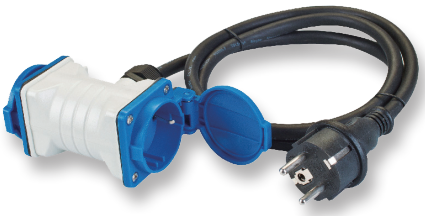
AMD969

SAP Code	Code	Length	Cable	Specification	Approvals
AMD969	E199008	10M	H05RR-F 3G1.5mm^2	3-way, earthed, with shutters, with cable holder, Max. 3680W	VDE
AMD970	E199009	20M			

Extension Cord

- H05RR-F 3G 1.5mm2
- IP44
- With children protection

SAP Code	Length	Socket
ATN090	5M	2-way
ATN091	10M	2-way
ATN092	20M	2-way
ATN093	5M	3-way



Garden Spike Sockets with Mechanical Timer

Garden spike sockets with mechanical timer will be a portable power center by simply placing the spike into the ground in your garden. It can turn connected appliances on and off automatically according to time you set.

Application:
Ideal for controlling outdoor lighting or other appliances for the purposes of home security, home automation and energy saving.
Used for lightings in garden, lawn to on-off timely in evening and morning.
Used in places which need to on-off frequently, like spray irrigation in garden and lawn.

- Rubber cable: 1.4m net length
- 2 way socket
- IP44
- With detachable spike
- With folded handle
- With children protection

SAP Code	Specification	Approval
ANF181	16A, 250V~, Max. 3680W	CE, RoHS

Cord For Car Motor Warming

SAP Code	Specification	Approvals
ACZ501	H05RN-F 3x1,5S, 5m	CE

Adapter For Car Motor Warming

SAP Code	Specification
ALY337	230v 16A, Schuko / Defa adapter, IP44

Cable Reel

- With thermal cut-out
- Children protection with self closing lid
- Rubber cable
- 4 ways socket-outlets
- IP44

Full-reeled: Max. 1000W 230V~/4.3A
Unreeled: Max. 3000W 230V~/13A

SAP Code	Specification
CAM685	5m, H05RR-F 3G 1.5mm^2
CBJ983	10m, H05RR-F 3G 1.5mm^2

Cable Reel

- 4-way socket
- Voltage: 16A, 230V
- Full-reeled: Max.1100W, 230V~/4.3A
- Unreel: Max.3200W, 230V~/13A

ACS368

ALO584

SAP Code	Code	IP Standard	Length	Cable	Approvals
ACS368	E124322	44	20M	H05RR-F 3G1.5mm^2	CE, RoHS
ACZ488	24141	44	25M	H05RR-F 3G1.5mm^2	CE, RoHS
ACZ489	24143	44	40M	H05RR-F 3G1.5mm^2	CE, RoHS
ALO584	190138	44	20M	H07RN-F 3G2.5mm^2	CE, RoHS

Wall Mounting Socket Outlet

SAP Code	Specification	Approval
ACZ300	Caravan, 3-pole 16A, 250V, IP44	CE

CEE Plug

SAP Code	Specification	Approval
ACZ303	250V 16A, 3 pole, IP44	CE

Wall Mounting Socket Inlet

SAP Code	Specification	Approval
ACZ301	250V 16A, 3pole IP44	CE

CEE Connector

SAP Code	Specification	Approval
ACZ302	250V 16A, 3 pole, IP44	CE

Extension Socket Outlet

SAP Code	Specification	Approval
ACZ540	16A, 250V, IP44	CE

Adapter

• IP44

SAP Code	Specification
ACZ539	Caravan Out - 2pe In

Adapter

SAP Code	Specification
ACZ519	Caravan adapter IEC Connector + DIN Plug male/female 0,5m 16A/ 250V 0,5m cable H07RN-F 3G2,5
ACZ520	Caravan adapter Caravan In-2pe Out female/male 0,5m, 16A/ 250V 0,5m cable H07RN-F 3G2,5

ACZ519

ACZ520

CEE Extension Cord

• Rubber cable
• IP44
• -35°C low temperature

SAP Code	Code	Length	Cable	Specification	Approvals
ACZ502	24187	25M	H07RN-F3G 2.5mm^2	16A/250V	CE
CBU699	-	10M	H07RN-F3G 2.5mm^2	16A/250V	CE

Adapter

- Input: 1 CEE-socket 400V, 32A, 5-pole
- Output: 1 CEE-socket 400V, 5-pole
- Protection: 1xMCB-C16A, 3-pole
- Resettable
- Usable up to 11kW

SAP Code
ATC897

Wall Mounted Combined Box

SAP Code	Specification	Approval
ACZ304	5x16+1x16	CE

CEE Socket

SAP Code	Specification
ACZ305	16A; 5-Poles
ACZ306	32A 5-Poles

ACZ305

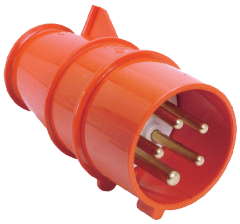
ACZ306

Phase Inverter

SAP Code	Specification	Approval
ACZ307	16A, 5Poles	CE

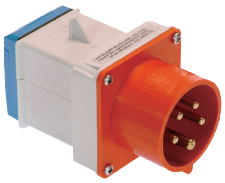
CEE Plug

SAP Code	Specification
ACZ308	16A 5-poles IP44
ACZ309	32A 5-poles IP44



CEE Adapter

SAP Code	Specification	Approval
ACZ532	16A/440 - 2PE 16/250, 5x 16A	CE



Extension Socket Outlet

SAP Code	Code	Specification	Approvals
ACZ310	12487	CEE connector 16A 5-poles IP44	CE
ACZ311	12488	CEE connector 32A 5-poles IP44	

ACZ310

CEE Extension Cord

- Rubber cable
- 1m, H07RN-F3G 2.5mm2
- 1 x CEE male, 3 x Schuko
- 16A, 230V~
- IP44

SAP Code
CBU698

Extension Cord

SAP Code	Code	Specification	Approvals
ACL469	E125019	IP44, H07RN-F 5g 2,5mm^2 5 poles 10m, 16A	CE
ABK403	E125020	IP44, 16A H07RN-F 5g2,5mm^2; 5 Poles 20M	
ACZ522	24522	IP44, H07RN-F 5g 6mm^2 32A 20m	

ACL469

ACZ522

CEE Socket Inlet

SAP Code	Specification	Approval
ACZ312	440V, 16A, 5pole	CE

Forked Socket-Outlet

SAP Code	Specification
ACZ521	16A; 2 x phases
ACZ535	1X16A; 3 schuko; 3 x phases

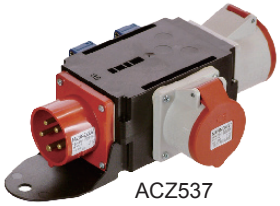
ACZ521

ACZ535

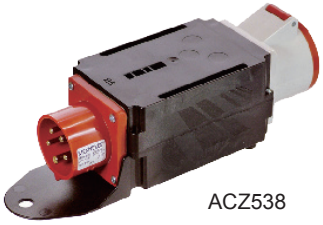
Adapter

• IP44

SAP Code	Code	Specification	Approvals
ACZ537	2503	16A-16A+32A+2X2PE	CE
ACZ538	2505	CEE 16A-32A	



ACZ537



ACZ538

Combination Unit

SAP Code	Specification
ASB545	3X32A

Combination Units

SAP Code	Specification
ACZ679	316/1 10m 3 x schuko 1x16A

Surge Protector

• TV, ISDN
• Children protector

SAP Code	Specification
ACZ564	Protect telephone,ISDN & TV against power surge, spike & thunder; Surge protection up to 4.5KA; 6 varistors, 6 thermal fuses & 3 gas discharge tubes; Green and red indicators to show protection and power status; Max. surge voltage: 6000V; AC, telephone & ISDN: 6000V; signal to shield 90V; shield to earth: 1000V; Max. spike current: 4500A for pulse form 8/20μs; Clamping response time: <1ns; 16A 230V~, 3680W

• Children protector

SAP Code	Specification
ACZ563	Protect appliance against power surge & spike; Surge protection up to 4.5KA; 1 varistor,1 thermal fuse, 1 gas discharge tube; Green and red indicators to show protenction and power status; Max. surge voltage: 6000V; Max. spike current: 4500A for pulse form 8/20 μs for AC line; Clamping response time: <1ns; 16A 230V~3680W

Indoor Remote Control Socket Outlet

- 1 remote can control Max.4 sockets
- Max. working distance: 30m in open area
- Have a built-in memory, can remember the memory control information 10 years

SAP Code	Specification
AMI726	230V~/50Hz Including 2pcs wireless socket and 1pc remote control Socket max. loading: 16A (2), 3600W Frequency: 433.05 - 434.79MHz Remote control battery: 23A, 12V (included) IP20

Outdoor Remote Control Socket Outlet

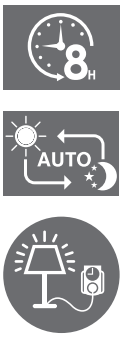
- 1 remote can control Max.4 sockets
- Max. working distance: 30m in open area
- Working temperature: -25ºC to +35ºC
- Have a built-in memory, can remember the memory control information 10 years

SAP Code	Specification
AMI727	230V~/50Hz Including 2pcs wireless socket and 1pc remote control Socket max. loading: 16A (2), 3600W Frequency: 433.05 - 434.79MHz Remote control battery: 23A, 12V (included) IP44

Indoor Timer Socket OPAL Agile

- Fast & easy way to automate your holiday and decorative lightings
- Automatically turns power ON at dusk and OFF at dawn; or OFF at selected hours (1, 2, 4, 6, 8 hours)
- Repeats program daily
- LED indicates power ON/OFF status
- Manual ON/OFF override switch
- Children protector
- 230V~ 50Hz, Max. 1800W

SAP Code	Color
ATN118	White



Portable Residual Current Device Circuit Breakers

- Reliable personnel protection from dangerous electric shock
- Fault currents are detected in a split second and interrupted power supply
- The fixed connection to the supply line, for double-sided cable connections
- With a function key and test circuit
- Including an electronic measuring device
- -25ºC low temperature
- **Product Approval:** CE, SEMKO

ACL456

ADO515

SAP Code	Code	Power supply	Rated current	Rated output	Trip leakage current	Trip time	Type	IP standard	Color
ACL456	E124063	230V~50Hz	16A	3600W	30mA	<30mS	RCD-4G	IP44	White
ADO515	E124064	230V~50Hz	16A	3600W	30mA	<30mS	RCD-3G	IP54	Black

Mechanical Timer Socket

• Programming the ON,OFF of the home appliance automatically according to the time you need
• Saving energy

ACZ566

ABK418

SAP code	Code	Voltage	Power	Specification	Approvals
ACZ566	3578	220-240V; 50Hz	MAX.3500W	IP44	CE S
ABK418	E135002	220-240V; 50Hz	MAX.3500W	IP20	CE S

Outdoor Timer Socket

• Programming the ON,OFF of the home appliance automatically according to the time you need
• Saving energy

SAP code	Code	Voltage	Power	Specifi-cation	Approvals
ABU543	E135005	220-240V; 50Hz; 16(2)A	MAX. 3500W	IP44	CE, SEMKO

Energymeter

• Monitoring electricity consumption of home appliance by displaying the Voltage, Ampere, Wattage, KWH and Price1 and Price 2

SAP code	Code	Voltage	Power	Approvals
AEH957	E164019	230V, 50Hz; 16A	3680W (max load)	CE,S

Electronic Timer Socket

• Programming the ON,OFF of the home appliance automatically according to the time you need
• Saving energy

SAP code	Code	Voltage	Power	Specification	Approvals
ACZ562	3567	220-240V; 50Hz; 16(2)A	MAX. 3600W	IP20	CE,S

Socket Switch With Motion Sensor

• Convenient sensor connection
• No wiring needed
• ON / AUTO / OFF switch
• 230V~ / 50Hz
• Duration Time adjustment: 10±5 seconds to 4±1 minutes.
• Motion detect angle 120 degree
• Motion detect range up 7 meters
• AC socket Maximum load: Max. 800 W incandescent or 200W fluorescent lamp
• In-use LED indicator

SAP Code
AOG431

Sunset Sensor

• IP44

SAP Code	Specification	Approval
ACZ560	Photocell sensor to run from dusk to dawn only Lux level adjustable LED indicate power status Switching delay function 230V~ 50Hz, Max.1300W for incandescent lamp	Semko

PIR Sensor 180°

• IP44

SAP Code	Specification	Approval
ADA704	Silver, Detection area: 180°(horizontal) and 60°(vertical) open angle, Max. 12 meters forward Duration: 10±5 seconds to 4±1 minutes Lux level adjustable 230V ~ 50Hz, Max. 1000W incandescent or 300W flourescent lamp	Semko

LED Night Lamp With Sensors

• Including PIR sensor and Light sensor
• Only work in the darkness
• Once put into socket, it will operate automatically
• 1pce warm white LED controlled by Light sensor, will light on in the darkness. Soft lighting can keep eye against hurting.
• 3pcs white LED controlled by PIR sensor, will light on when detects movement in the darkness, will light off after about 40s.
• Applications: bed room, baby room, toilet and so on
* Energy saving
• **Product Approval**: CE, RoHS

SAP code	Code	Power	Voltage	Specification
ANP414	E142077	0.5W	230V	4 LED Sensor Distance: 4(±0.5)m Sensor Angle: 120° Operation: Auto

Bright time

In darkness

Detect movement in darkness

Night Light

• Energy saving
• Applications: bed room, baby room, toilet and so on
• **Product Approval**: CE

SAP code	Code	Wattage	Voltage	Type
AIZ869	142073	3 LEDs; 1W	230V, 50Hz	Switch
AIZ868	142074	LED 1W	230V, 50Hz	Sensor

AIZ869

AIZ868

Extension Cord With Switch

SAP Code	Code	Type	Specification	Apprvals
ACZ482	24101	white	H03VVH2-F 2X0.75mm^2; 2.5M, 2.5A/250V; Marerial: PP, PVC, 2m+0.5m, with switch	CE
ACZ485	24105	black		

Plug With Cord

SAP Code	Code	Type	Specification	Approvals
ACZ483	24102	white	H03VVH2-F 2X0.75mm^2; 2.5M 2.5A/250V; Marerial: PP, PVC, plug with cord	Semko
ACZ486	24109	black		

A/C Power Cord

SAP Code	Code	Type	Specification	Approvals
ACZ447	18165	H03VVH2-F 2G 0,75mm^2	1.8m, black	VDE
ACZ487	24112	H05VV-F 3G 0,75mm^2		

ACZ447

ACZ487

PVC Cord With Schuko Plug

- 60mm stripping length for L and N conductor with terminal cramped.
- 75mm stripping length for Earthing conductor with termnial cramped.

SAP Code	Type	Cable	Length	Material	Earthed	Approvals
ASB431	white	H05VV-F 3G1.5mm^2	Uni schuko, 3m	PVC	earthed	CE, VDE
ASB432	white	H05VV-F 3G1.5mm^2	Uni schuko, 5m	PVC	earthed	CE, VDE

Rubber Cord With Plug

SAP Code	Specification
ASB509	H05RR-F3 x 1,0mm², 1,5 m
ASB510	H05RR-F3 x 1,5mm², 3 m
ASB511	H05RR-F3x 1,5mm², 5 m

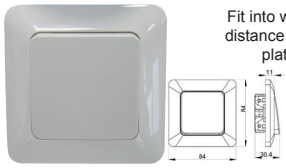
Cord + Plug

- Straight plug
- IP20

SAP Code	Specification	Approval
ASB509	H05VV-F 3G1.5mm^2, 2,5 m + plug black straight plug	CB,VDE

Switch (Flush-type)

AMO609



Fit into wall boxes, screw distance cc 60 mm -cover plate cc 84 mm

AMO610

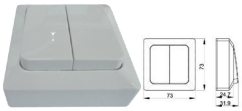
SAP Code	Code	Type	IP standard	Socket	Voltage	Approvals
AMO609	E121001	Flush-type	20	1 pole and 2-way , pattern No. 5	250V~,16A	CE, RoHS, Semko
AMO610	E121003	Flush-type	20	1 pole / 2-way , pattern No. 1/6	250V~,16A	CE, RoHS, Semko

Switch (Surface-type)

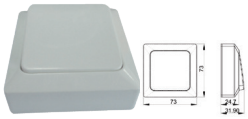
- Max. Ambient temp: 45°C
- Fire hazard test: 650°C/850°C (IEC60695-2-1)

AMO605

AMO606



AMO607



AMO608

ACZ275

ACZ248

ACZ249

SAP Code	Code	Type	IP standard	Socket	Voltage	Approvals
AMO605	E120008	Surface-type	44	1 pole and 2-way , pattern No. 5	250V~,10A	CE, RoHS, Semko
AMO606	E120009	Surface-type	44	1 pole / 2-way , pattern No. 1/6	250V~,16A	CE, RoHS, Semko
AMO607	E120010	Surface-type	20	1 pole and 2-way , pattern No. 5	250V~,10A	CE, RoHS, Semko
AMO608	E120011	Surface-type	20	1 pole / 2-way , pattern No. 1/6	250V~,16A	CE, RoHS, Semko
ACZ275	12429	Surface-type	44	Single switch with schuko socket	250V~,16A	KEMA
ACZ248	12045	Surface-type	44	double switch on wall	250V~,16A	Semko/CE/KEMA
ACZ249	12046	Surface-type	44	Single 2-way switch on wall	250V~,16A	CE/KEMA

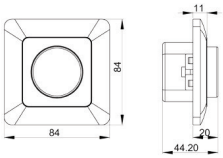
ACZ241

SAP Code	Code	Type	Socket	Voltage	Approvals
ACZ241	12006	Surface-type	single 2-way switch on wall	250V~,16A	CE, KEMA

Dimmer

- Product is used for incandescent lamps and low voltage halogen in combination with the most frequent electronic transformers or dimmable conventional transformers.
- Max. Ambient temp: 45°C
- Fire hazard test: 650°C/850°C (IEC60695-2-1)
- IP20

SAP Code	Type	Socket	Voltage
AMO611	Flush-type	315W Universal. Incandescent lamp 60W-300W, Halogen lamp 60W-315W, Electronic halogen transformer 12V:60W-315W.	250V~ 50Hz



LED Dimmer Flush-Type 4-100W Universal

- LED Dimmer
- Suitable for different types of lights with wide dim range
- Stylish design that demonstrates luxury and decent style

LED: 4-100W
230V Incandescent lamp: 25-400W
230V Halogen lamp: 25-400W
12V Electronic halogen transformer: 25-400W
Protection class: IP20

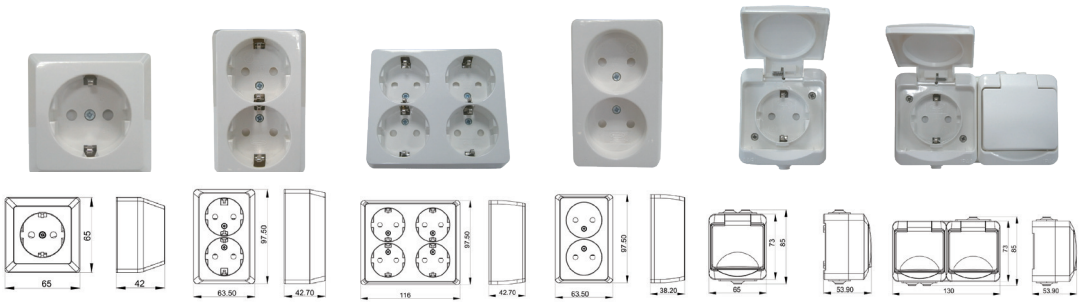
SAP Code	Color
CBG654	white

PIR Sensor

SAP Code	Specification	Approval
ACZ565	Controlled by relay; Detection area: 120°, Max. 8 meters forward Duration: 5~15 seconds to 8~12 minutes Lux level adjustable ON/OFF/AUTO mode switch 230V~, 50Hz, Max.500W incandescent lamp, and Max. 150W fluorescent lamp	Semko

Socket (Surface-Type)

- Max. Ambient temp: 45°C
- Fire hazard test: 650°C/850°C (IEC60695-2-1)



AMO595 AMO596 AMO597 AMO598 AMO599 AMO600

SAP Code	Code	Type	IP standard	Socket	Voltage	Earthed	Approvals
AMO595	E124072	Surface-type	20	1-way socket	250V~,16A	earthed	CE, Semko, RoHS
AMO596	E124073	Surface-type	20	2-way socket	250V~,16A	earthed	CE, Semko, RoHS
AMO597	E124074	Surface-type	20	4-way socket	250V~,16A	earthed	CE, Semko, RoHS
AMO598	E124075	Surface-type	20	2-way socket	250V~,16A	without earth	CE, Semko, RoHS
AMO599	E124076	Surface-type	44	1-way socket	250V~,16A	earthed	CE, Semko, RoHS
AMO600	E124077	Surface-type	44	2-way socket	250V~,16A	earthed	CE, Semko, RoHS

Socket (Surface-type)

ACZ269

ACZ268

SAP Code	Code	Type	Socket	Voltage	Approvals
ACZ269	12412	Surface-type	double schuko power socket on wall	250V~,16A	KEMA
ACZ268	12411	Surface-type	schuko power socket on wall	250V~,16A	KEMA

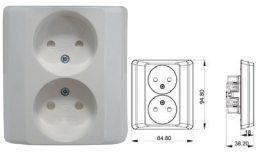
SAP Code	Code	Type	Socket	Voltage	Earthed	Approvals
ACZ270	12415	Surface-type	4-way schuko power socket on wall, white	250V~,16A	earthed	Semko / KEMA

Socket (Flush-type)

- Max. Ambient temp: 45°C
- Fire hazard test: 650°C/850°C (IEC60695-2-1)
- Fit into wall boxes, screw distance cc 60mm

AMO601

AMO602


AMO603

AMO604

SAP Code	Code	Type	IP standard	Socket	Voltage	Earthed	Approvals
AMO601	E125002	Flush-type	20	1-way socket	250V~,16A	earthed	CE, Semko, RoHS
AMO602	E125003	Flush-type	20	2-way socket	250V~,16A	earthed	CE, Semko, RoHS
AMO603	E125004	Flush-type	20	2-way socket	250V~,16A	without earth	CE, Semko, RoHS
AMO604	E125005	Flush-type	44	1-way socket	250V~,16A	earthed	CE, Semko, RoHS

Wall Socket (Surface-Type)

ACZ271

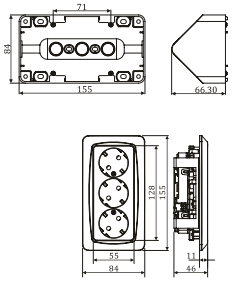
ACZ274

SAP Code	Code	Type	IP standard	Socket	Voltage	Approvals
ACZ271	12423	Surface-type	44	Schuko power socket on wall	250V~,16A	KEMA / Semko
ACZ274	12427	Surface-type	44	double schuko power socket on wall	250V~,16A	KEMA / Semko

3 Way Corner Schuko Socket

- 3 way schuko socket outlet for corner installation
- Surface mounting
- Screwless terminals socket base
- Installed any 90 metope and corner
- With children protection
- Working temperature: -10°C to +50°C
- Fire hazard test: 650 °C / 850 °C (IEC60695-2-1)

IEC60884-1 SS 4280934
NEK 502+NEK IEC 60884-1 SFS 5610



SAP Code	Code	Type	IP standard	Socket	Voltage	Earthed	Approvals
AMI971	E124011	Surface-type on the corner	20	3-way socket	250V~, 16A, Max.:4000W	earthed	CE, Semko, RoHS

Luminaire Plug

- IP20
- 250V, 6A
- Blister pack

SAP Code	Specification
ASN239	without earth
ASN240	with earth

ASN239

ASN240

Luminaire Plug

- 0.155 m wire

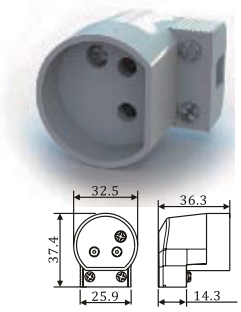
SAP Code	Specification
ASN241	Unearthed
ASN242	Earthed

ASN241

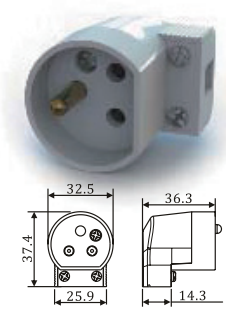
ASN242

Luminaire Outlet

SAP Code	Voltage	Earthed	Approvals
AOF141	6A, 250~	Whitout earth	CE S
AOF142	6A, 250~	Earthed	CE S
AOF143	6A, 250~	Whitout earth	CE S



AOF141



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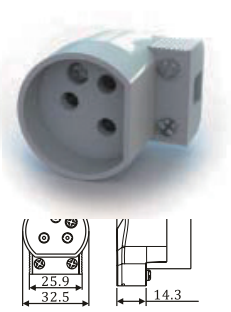


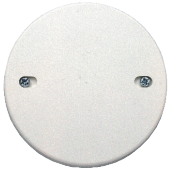
AOF143

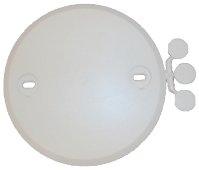
Cover For Junction Box

SAP Code	Code	Specification	Approvals
ACZ351	14047	Cover plate IP44	CE
ACZ352	14048	Hook cover	
ACZ347	14040	Cable clamp cover	
ACZ353	14049	Cover plate	
ACZ355	14052	Cover for junction box	

ACZ351

ACZ352


ACZ347


ACZ353

ACZ355

Luminaire Outlet

- 2 poles

SAP Code	Specification
ASN243	Unearthed
ASN244	Earthed

ASN243

ASN244

Luminaire Extension Plug

- E27 0,1M

SAP Code
CBU879

Outlet Cover

- Ø145MM

SAP Code
CBU880

Silicone Lamp Holder With Textile Cord

- Many colors available
- Match with every environment with trendy Design
- Easy to clean, easy to set up
- Trapezoidal cover
- 1.5m 2*0.75mm2
- Silicon lamp holder + E27 plastic lamp holder

SAP Code	Cover size	Color
ATN070	12 cm	White
ATN071	12 cm	Black
ATN072	12 cm	B / W
ATN073	12 cm	Red

Ceiling Cup

- PP material

SAP Code	Specification	Approvals
ACZ349	White	CE

Lamp Holder With Ceiling Cup

- Easy connector

SAP Code	Specification	Approvals
ACZ354	1M, round cable H05VV-F 2*0.75mm^2, max power: 60W, with cable hook, with E27 lamp holder, ceil cup, white	CE

Lamp Holder

- Edison screw lamp holder
- Fast connection
- High tempperature resistance

SAP Code	Type	Specification	Approvals
ACZ333	white	E14, 2A, 250V	ENEC05; KEMA
ACZ334	black		
ACZ335	white	E27, 4A, 250V	ENEC05; KEMA
ACZ336	black		

ACZ333

ACZ335

ACZ336

Lamp Holder

Polish Code	Specification
2OCO050PB	Bakielite E-14
2OCO006PB	Bakielite E27-6
2OCO046PB	White E14-1 Flange
2OCO047PB	Black E14-1 Flange
2OCO048PB	White E14
2OCO049PB	Black E14
2OCO026PB	White E27-1 Flange
2OCO012PB	Black E27-6
2OCO013PB	White E27-6
2OCO027PB	Black E27-1 Flange

2OCO050PB

2OCO006PB

2OCO046PB

2OCO048PB

Metal Lamp Holder E-27

Polish Code	Specification
2OCO018PB	PORCELAIN RING AND SWICH
2OCO020PB	FLANGE OM20)5PCS

2OCO018PB

2OCO020PB

Lamp Holder

E27
Black

SAP Code
ACZ340

Lamp Holder White With Shade Ring

- Fast connection
- High tempperature resistance

SAP Code	Specification	Approvals
ACZ337	4A, 250V, E27, Edison screw lamp holder with outer thread and double ring-white, white	ENEC, KEMA

Lighting Switch

- 250V 6A
- Earthed
- White

SAP Code
CBU878

Switch

- Indoor use

SAP Code	Type	Specification
ACZ255	white	2.5A/250V; Material: PP; 6*2.7*1.5cm
ACZ256	black	
ACZ257	golden	

Cable Hook

SAP Code	Specification
ACZ344	hook with 3 holes cord grip; Material: PP; white

Compression Nipple

- 2 pcs/bag

SAP Code	Type	Specification
ACZ346	white	Grub screw cord grip; for wire<6mm; M10, M6, PA6 fire resistance with cable fixing screw
ACZ348	black	

Cable Fixer

Cable fixer for assembling E14 and E27 lamps

SAP Code
CBX982

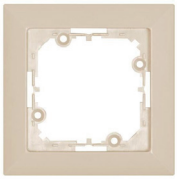
Cable Fixer Set

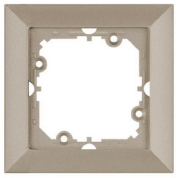
2 pcs plastic tension release with inner thread
5 pcs hexagonal nut M10x1
2 pcs thread pipe M10x1 h.15mm
2 pcs thread pipe M10x1 h.50mm

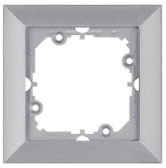
SAP Code
CBX983

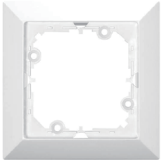
1-Fold Frame

Polish Code	Specification
2AMA147AX	Beige
2AMA333AX	Satin
2AMA209AX	Silver
2AMA057AX	White


2AMA147AX

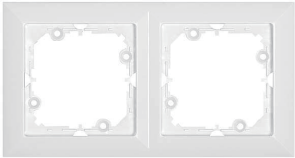

2AMA333AX


2AMA209AX


2AMA057AX

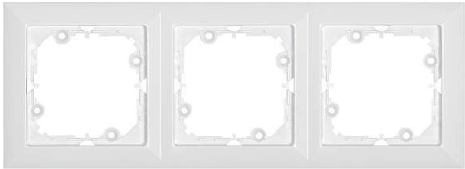
2-Fold Frame

Polish Code	Specification
2AMA149AX	Beige
2AMA335AX	Satin
2AMA211AX	Silver
2AMA059AX	White


2AMA059AX

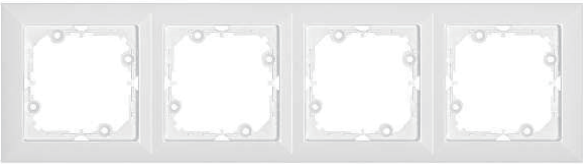
3-Fold Frame

Polish Code	Specification
2AMA151AX	Beige
2AMA337AX	Satin
2AMA213AX	Silver
2AMA061AX	White


2AMA061AX

4-Fold Frame

Polish Code	Specification
2AMA153AX	Beige
2AMA339AX	Satin
2AMA215AX	Silver
2AMA063AX	White


2AMA063AX

5-Fold Frame

Polish Code	Specification
2AMA154AX	Beige
2AMA340AX	Satin
2AMA216AX	Silver
2AMA064AX	White

Double Socket Outlet

Polish Code	Specification
2AMA029AX	Flush Mounted, 2X2p , 16A, 250V
2AMA031AX	Flush Mounted, 2X2p+Z , 16A, 250V
2AMA119AX	Flush Mounted, 2X2p , 16A, 250V
2AMA121AX	Flush Mounted, 2X2p+Z , 16A, 250V
2AMA181AX	Flush Mounted, 2X2p , 16A, 250V
2AMA183AX	Flush Mounted, 2X2p+Z , 16A, 250V
2AMA307AX	Flush Mounted, 2X2p+Z , 16A, 250V

2AMA029AX

2AMA031AX

2AMA181AX

2AMA183AX

Single Socket Outlet

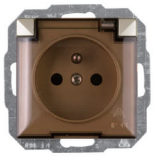
- flush mounted
- date
- red

Polish Code
2AMA001AX

Single Socket Outlet

- flush mounted 2p+Z
- 16A, 250V
- splashproof with cover - available with smoked cover (white, beige)
- cover in the colour of product in metallic option
- satin

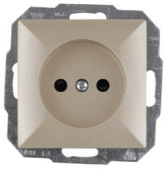
Polish Code
2AMA311AX



Single Socket Outlet

- flush mounted
- 2x2p
- 16A, 250V complete
- satin

Polish Code
2AMA301AX



Double Socket Outlet

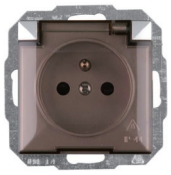
- flush mounted
- 2x2p
- 16A, 250V complete
- satin

Polish Code
2AMA305AX

Single Socket Outlet

- flush mounted 2p+Z
- 16A, 250V
- splashproof with cover - available with smoked cover (white, beige)
- cover in the colour of product in metallic option
- silver

Polish Code
2AMA187AX



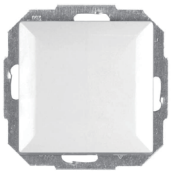
Telephone, Computer Universal Socket

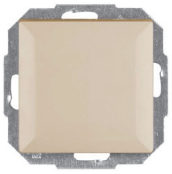
- ISDN
- 4,6,8 pin (LSA clamps)
- silver

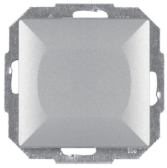
Polish Code
2AMA205AX

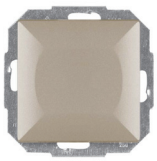
Intermediate Switch

Polish Code	Specification
2AMA011AX	Flush Mounted, 10A, 250V, White
2AMA023AX	Flush Mounted, 10A, 250V, Illuminat
2AMA101AX	Flush Mounted, 10A, 250V, Beige
2AMA113AX	Flush Mounted, 10A, 250V, Illuminat
2AMA163AX	Flush Mounted, 10A, 250V, Silver
2AMA175AX	Flush Mounted, 10A, 250V, Illuminat
2AMA287AX	Flush Mounted, 10A, 250V, Satin
2AMA299AX	Flush Mounted, 10A, 250V, Illuminat


2AMA011AX


2AMA101AX

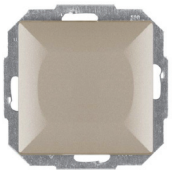

2AMA163AX

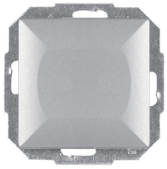

2AMA299AX

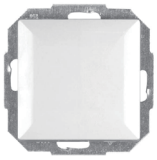
Double-Rocker Switch

Polish Code	Specification
2AMA107AX	flush mounted, 10A, 250V, 1-pole, beige
2AMA293AX	flush mounted, 10A, 250V, 1-pole, satin
2AMA169AX	flush mounted, 10A, 250V, 1-pole, silver
2AMA017AX	flush mounted, 10A, 250V, 1-pole, white

2AMA107AX


2AMA293AX


2AMA169AX


2AMA017AX

Loudspeaker Socket (G-Clamp,Banana Pins)

Polish Code	Specification
2AMA037AX	White
2AMA127AX	Beige
2AMA189AX	Silver

2AMA037AX

2AMA127AX

2AMA189AX

Motion Detector Switch

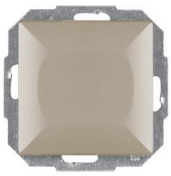
Polish Code	Specification
2AMA075AX	flush mounted, three wires, white
2AMA073AX	flush mounted, two wires, white

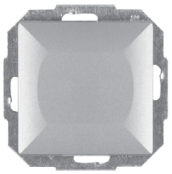
2AMA075AX

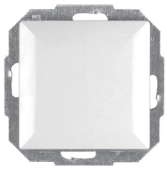
2AMA073AX

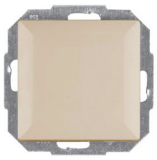
Rocker Switch

Polish Code	Specification
2AMA279AX	flush mounted, 10A, 250V, 1-pole, satin
2AMA155AX	flush mounted, 10A, 250V, 1-pole, silve
2AMA003AX	flush mounted, 10A, 250V, 1-pole, white
2AMA093AX	flush mounted, 10A, 250V, 1-pole,beige


2AMA279AX

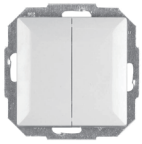

2AMA155AX


2AMA003AX

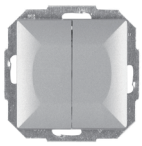

2AMA093AX

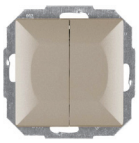
Double Socket Outlet

Polish Code	Specification
2AMA005AX	Flush Mounted, 20A, 250V, Chandelie
2AMA019AX	Flush Mounted, 10A, 250V, Chandelie
2AMA007AX	Flush Mounted, 10A, 250V, Universal
2AMA095AX	Flush Mounted, 10A, 250V, Chandelie
2AMA109AX	Flush Mounted, 10A, 250V, Chandelie
2AMA097AX	Flush Mounted, 10A, 250V, Universal
2AMA157AX	Flush Mounted, 10A, 250V, Chandelie
2AMA171AX	Flush Mounted, 10A, 250V, Chandelie
2AMA159AX	Flush Mounted, 10A, 250V, Universal
2AMA281AX	Flush Mounted, 10A, 250V, Chandelie
2AMA295AX	Flush Mounted, 10A, 250V, Chandelie
2AMA283AX	Flush Mounted, 10A, 250V, Universal


2AMA005AX

2AMA095AX


2AMA157AX


2AMA283AX

Roller Blind Control Time Switch

Polish Code	Specification
2AMA069AX	flush mounted, white

Rotary Dimmer

Polish Code	Specification
2AMA131AX	flush mounted, 20-400W, beige
2AMA193AX	flush mounted, 20-400W, silver
2AMA041AX	flush mounted, 20-400W, white

2AMA131AX

2AMA193AX

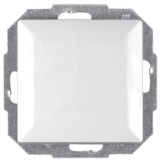
2AMA041AX

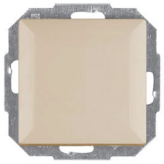
Sun Detector Switch And Roller Blind Control Switch

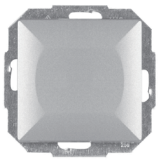
Polish Code	Specification
2AMA071AX	flush mounted, two wires, white

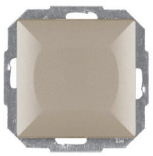
Rocker Short-Circuit Switch

Polish Code	Specification
2AMA009AX	Flush Mounted 10A, 250V Light
2AMA021AX	Light, Bell, Flush Mounted
2AMA099AX	Flush Mounted 10A, 250V Light
2AMA111AX	Light, Bell, Flush Mounted
2AMA161AX	Flush Mounted 10A, 250V Light
2AMA173AX	Light, Bell, Flush Mounted
2AMA285AX	Flush Mounted 10A, 250V Light
2AMA297AX	Light, Bell, Flush Mounted


2AMA009AX


2AMA111AX


2AMA161AX

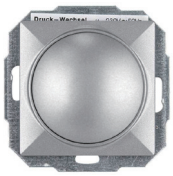

2AMA285AX

Rotary Dimmer

Polish Code	Specification
2AMA039AX	Pmin:60W, Pmax:400W, White
2AMA129AX	Pmin:60W, Pmax:400W, Beige
2AMA191AX	Pmin:60W, Pmax:400W, Silver
2AMA315AX	Pmin:60W, Pmax:400W, Satin

2AMA039AX

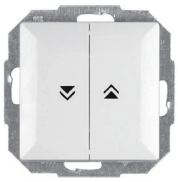
2AMA129AX

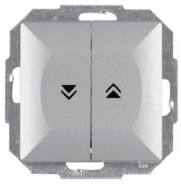

2AMA191AX

2AMA315AX

Short-Circuit Venetian Blind Switch

Polish Code	Specification
2AMA013AX	White
2AMA103AX	Beige
2AMA165AX	Silver
2AMA289AX	Satin


2AMA013AX


2AMA165AX

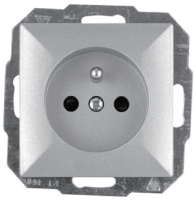
Single Socket Outlet

Polish Code	Specification
2AMA025AX	Flush Mounted, 2P , 16A, 250V
2AMA027AX	Flush Mounted, 2P+Z ,16A, 250V
2AMA033AX	Flush Mounted 2P+Z , 16A, 250V
2AMA035AX	Flush Mounted 2P+Z , 16A, 250V
2AMA115AX	Flush Mounted, 2P , 16A, 250V
2AMA117AX	Flush Mounted, 2P+Z ,16A, 250V
2AMA123AX	Flush Mounted 2P+Z , 16A, 250V
2AMA125AX	Flush Mounted 2P+Z , 16A, 250V
2AMA177AX	Flush Mounted, 2P , 16A, 250V
2AMA179AX	Flush Mounted, 2P+Z ,16A, 250V
2AMA185AX	Flush Mounted 2P+Z , 16A, 250V
2AMA303AX	Flush Mounted, 2P+Z ,16A, 250V
2AMA309AX	Flush Mounted 2P+Z , 16A, 250V

2AMA025AX

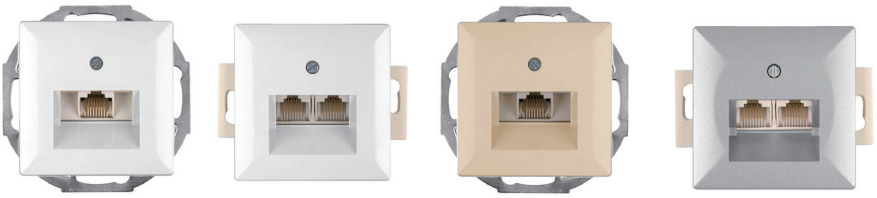
2AMA115AX

2AMA125AX


2AMA179AX

Telephone, Computer Universal

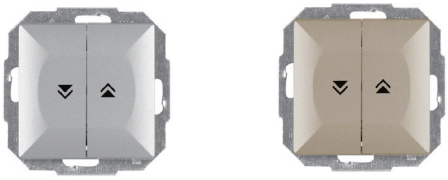
Polish Code	Specification
2AMA053AX	ISDN, 4,6,8
2AMA055AX	ISDN, 2 X 4
2AMA143AX	ISDN, 4,6,8
2AMA145AX	ISDN, 2 X 4
2AMA207AX	ISDN, 2 X 4



2AMA053AX 2AMA055AX 2AMA143AX 2AMA207AX

Venetian Blind Switch

Polish Code	Specification
2AMA167AX	Silver
2AMA105AX	Beige
2AMA291AX	Satin
2AMA015AX	white

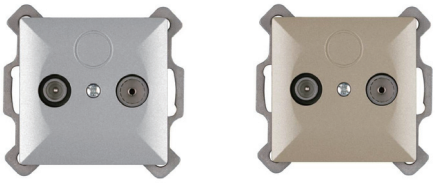


2AMA167AX 2AMA291AX

Subscriber Socket "RTV"

Polish Code	Specification
2AMA045AX	Through 14Db , White
2AMA043AX	Terminal 1,5Db , White
2AMA048AX	2Xsat, White
2AMA135AX	Through 14Db , Beige
2AMA133AX	Terminal 1,5Db , Beige
2AMA138AX	2Xsat, Beige
2AMA197AX	Through 14Db , Silver
2AMA195AX	Terminal 1,5Db , Silver
2AMA200AX	2Xsat, Silver
2AMA321AX	Through 14Db , Satin
2AMA319AX	Terminal 1,5Db , Satin
2AMA324AX	2Xsat, Satin

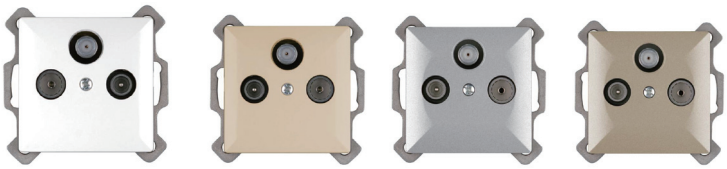
2AMA045AX 2AMA133AX



2AMA195AX 2AMA321AX

Subscriber Socket "RTV" Sat

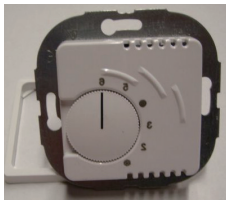
Polish Code	Specification
2AMA047AX	3DB, White
2AMA137AX	3DB, Beige
2AMA199AX	3DB, Silver
2AMA323AX	3DB, Satin



2AMA047AX 2AMA137AX 2AMA199AX 2AMA323AX

Temperature Regulator

Polish Code	Specification
2AMA067AX	flush mounted, closed, white
2AMA065AX	flush mounted, opened, white



Flexible Plastic Pipe

- Easy to install
- Fit with wall box / junction box very well
- Light compression and impact strength
- Compression resistance: 320N
- Color: white

SAP Code	Specification
ATN099	ø20MM, 10M

Flexible Plastic Pipe

- Plastic pipe
- White

SAP Code	Specification
ASN234	Dia 20mm 25m
ASN235	Dia 16mm 25m

Junction Box

- IP20

SAP Code
ASB547

Junction Box

- Maximum wire capacity per connector: 8 x 1.5 mm² or 5 x 2.5 mm²
- 6 pole, 2 x 3-pole insulate 6 mm² connectors
- IP20

SAP Code	Specification
ASN238	400V~, 50Hz

Junction Box

ACZ228

ACZ229

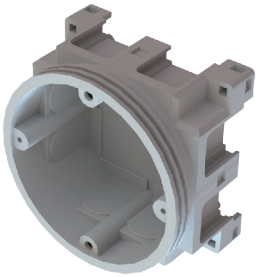
SAP Code	Specification	Approvals
ACZ228	MMJ IP44 (Big) 100x85x40 mm	CE
ACZ229	MMJ IP44 (Small) 90x75x35 mm	

Junction Box

SAP Code	Specification	Approvals
ACZ232	Junction box cooker/sauna, 85x85x40 mm	CE

Junction Box

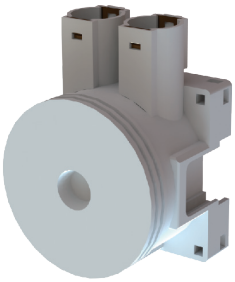
- Φ=88mm, H=55mm, c-c 78mm
- For flush mounting
- M4 Screws



SAP Code	Specification
ASN232	10 PCS

Mounting Box Branched 2-way

- Mounting box for flush type apparatus
- 2 branch outlets for Ø16/20mm conduits
- Φ=71mm, H=55mm, C-C 60mm
- With screw fixing



SAP Code	Specification
ASN233	10 PCS

Extension Ring

SAP Code	Specification	Approvals
ACZ375	13mm, 2pcs/bag	CE

Cable Puller

SAP Code	Code	Type	Material	Specification	Approvals
AED657	E113096	Dia 3mm × 10m	Nylon 6, Brass 62	-	RoHS
AED658	E113097	Dia 3mm × 20m	Nylon 6, Brass 62	-	RoHS

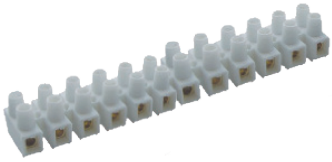
Wire Connector

- 12 pcs/bar

SAP Code	Code	Type	Approvals
ACZ237	11907	1.5-4 mm^2	CE
ACZ238	11908	1,5-6 mm^2	
ADD239	E200025	1,5 - 4mm^2	

Terminal Block

- Rigid and flexiblle cables
- White
- 12 pcs/bar



SAP Code	Type	Connecting capacity	Hole size
ACZ233	24A, 450V	2.5mm^2	3mm
ACZ234	32A, 450V	4mm^2	3.7mm

Push In Connector

SAP Code	Specification	Approvals
ACZ235	0,5-2,5mm^2, 450V, 5pcs/bag, 5 pin	CE

Twist-On Connector

SAP Code	Specification	Approvals
ACZ236	3-12,5 mm^2	CE

HDMI Black Metal Cable

- Standard HDMI1.4V
- Fully support 1080P
- Support 3D

SAP Code	Specification	Material	Connector	Jacket	Color	Length	Approvals
AJG548	HDMI 1.4 version, 4 layers shielding, OD 7.3mm	30AWG Oxygen free copper	24k Gold plated metallic connector	PVC with nylon mesh	Black	1.5m	RoHS,UL
AJG549	HDMI 1.4 version, 4 layers shielding, OD 7.3mm	30AWG Oxygen free copper	24k Gold plated metallic connector	PVC with nylon mesh	Black	3m	RoHS,UL
AJG550	HDMI 1.4 version, 4 layers shielding, OD 7.3mm	30AWG Oxygen free copper	24k Gold plated metallic connector	PVC with nylon mesh	Black	5m	RoHS,UL

HDMI Adapter

- Compatible with your TV, projector, or other devices with HDMI port
- 180 degrees of freedom rotary joint and save your more space
- Support HD movies HD DVD and blu-ray format, all the HDTV formats as well
- Small, portable, easy to use

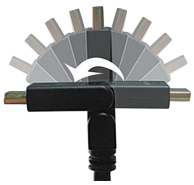
ASB545

ASB546

SAP Code	Specification
ASB545	HDMI Male to Female Adapter 180°, 1.4 version
ASB546	HDMI Female to Female Adapter 180°, 1.4 version

HDMI Turning Connector

- 180 degree flexible
- Fully support 1080P



180 degree turnable

SAP Code	Specification	Material	Connector	Jacket	Color	Length	Approvals
ALN484	Standard HDMI1.3V	Copper	24k gold plated turning connector	PVC	Black	1.8m	RoHS,UL

HDMI Switch 3*1

- 3 input signals switched to an output signal.
- Easy to use, install in seconds, no need of setting, no loss of quality.
- Support input up to 15m AWG26 HDMI 1.3 standard cable length, output up to 25m AWG26 cable length.
- With remote control

SAP Code	Specification
AJG563	HDMI version: HDMI 1.3. HDCP 1.2 protocol compliant. Support deep color 30bit, 36bit. Support Blue-Ray, 3D. Digital audio format, DTS-HD/Dolby-trueHD/LPCM7.1/DTS/Dolby-AC3/DSD. HDMI resolution: 24/50/60fs/1080p/1080i/720p/576p/576i/480p/480i. Max bandwidth: 10.2Gbps. Input / Output TMDS signal: 0.5~1.5Volts p-p. Input / Output DDC signal: 5Volts p-p (TTL). Power adapter format. Input: AC (50HZ, 60HZ) 100V-240V. Dimension (L x W x H): 115x61x26(mm). Weight: 190g. Need DC5V/1.2A power supply.

Antenna Socket

SAP Code	Specification
ACZ389	Sat, TV, Radio socket (surface-mount)

Antenna Socket

SAP Code	Specification
ASN237	TV / radio

Antenna Cable Male/Female

SAP Code	Code	Specification	Connector	Jacket	Color	Length	Approvals
ADG477	18003	9.5mm Male to female OD 7.0mm	Nickel plated PVC molding connector	PVC	White	2.5m	RoHS
ADG478	18006	9.5mm Male to female OD 7.0mm	Nickel plated PVC molding connector	PVC	White	5m	RoHS
ADG479	18033	9.5mm Male to female OD 7.0mm	Nickel plated PVC molding connector	PVC	White	10m	RoHS

Connector

SAP Code	Code	Specification	Material	Connector	Jacket	Color	Approvals
ADG483	18009	TV 9.5mm Adapter male to male	ZINC	Nickel plated, ABS shell	PVC	White	RoHS
ADG480	18010	Antenna connector 9.5mm female to female	ZINC	Nickel plated , ABS shell	PVC	White	RoHS

Antenna Cable Connector

- Connector is designed for connecting to CATV, TV and FM that ensure more clear vision effect.
- Digital communication cable connector
- Connector is easy to mount with cable

SAP Code	Code	Specification	Material	Connector	Jacket	Color	Approvals
ADG484	18052	CATV TV Plug Adapter Female to Female Connector	ABS	Nickel-plated steel sheet	PVC	White	RoHS

Antennna Connector Bend Female

- Female to Male Plug Coax Connector CATV TV Adapter.
- Coax Plug Connector is designed for connecting to CATV, TV and FM that ensure more clear vision effect.
- Easy installation of the Antenna Adaptor and use.
- Simply connect this TV Antenna Adapter to your antenna cable and plug into your Mini-TV device.
- This Coax Plug enables plug into a female plug.
- Install between radio and antenna and hook to a sufficient ground
- Antenna Coax Plug is easy to mount with cable, no need to solder.

SAP Code	Code	Specification	Connector	Jacket	Color	Approvals
ADG476	18058	Antenna connector female 90 degree	Nickel plated ABS	PVC	White	RoHS

Antenna Plug

ADG473 ADG474 ADG475

SAP Code	Code	Specification	Material	Connector	Jacket	Color	Approvals	sales argument
ADG473	18055	TV antenna plug male connector	ABS shell	Nickel plated	PVC	White	RoHS	ZINC material Durable material with highest quality Converts your TV antenna plug male to female Connects an extension cable to extend antenna range
ADG474	18056	TV antenna plug male connector 90 degree, 9.5mm	ABS shell	Nickel plated	-	White	-	Easy connect
ADG475	18057	TV antenna plug female connector	ABS shell	Nickel plated	PVC	White	RoHS	High Quality easy connect

Antenna Adapter

- 0-1000MHZ Bandwidth
- Easy connect

AZC445 ACZ446

SAP Code	Code	Usage	Specification	Material	Approvals	sales argument
AZC445	E18130	For TV	CATV Splitter, 1x female to 2x male	ZINC	CE RoHS	Coaxial Cable Splitter for dividing two units. Suitable plugs, 2x 22-835, and 1x 22-834
ACZ446	E18131	For Radio	CATV Splitter, 1x male to 2 x female	ZINC	CE, RoHS	Suitable plugs 2x 22-834 and 1x 22-835.

Antenna F-connector

- 5pc/bag

SAP Code	Specification
AJG560	Antenna female connector; Material: ZINC

Fuse Holder

SAP Code	Specification
ACZ557	K2 25A II E 27

Antenna Amplifier

SAP Code	Specification	Approval
ACZ650	FM / VHF / UHF; UHF:(IV-V) ±20dB VHF:(I-III) ±36dB Frequency range: 47-862MHz; 230V~ 50Hz 2,4W Impedance: 75Ω; Gain. 2x18dB; Gain control: 10 dB Screening factor: ≥75dB(470MHz); 1 Input / 2 Outputs	CE

Smoke Alarm

Photoelectric smoke and fire alarm does not contain radioactive materials and have a very advanced photocell system.
This system is the most effective when detecting smouldering fires, which can burn for hours before bursting into flames.

- Photoelectrical smoke alarm
- Easy installation
- With HUSH function
- LED indicator
- Push to test

Standby model: ≤12 uA
Alarming model: ≤20 mA
Alarming decibel: ≥85 dB / 3 m
Working temperature: -10°C to +40°C

SAP Code	Dimension
ATN062	Φ 101 x 34 mm

Carbon Monoxide Alarm

- Use in workshop, warehouse, school, mine and home, etc
- Detects the presence of carbon-monoxide (CO)
- Detection method: electrochemical
- Requires no assembly or maintenance, you can start using it instantly
- High sensitive: alerts when CO concentration exceeds 25ppm
- Low battery warning, LED indicators

Carbon monoxide alarm level:
50ppm 60-90min
100ppm 10-40min
300ppm 3min
Products use period: 5 year
Comply wtih EN 50291-1:2010

SAP Code	Sound alarm	Power source	Working temperature	CO display
ASB544	min. 85dB/1m	LR6, AM-3 1.5V AA x 3 (included)	0°C to +45°C	25ppm to 550pm ±10%

Water Leak Alarm

- Used for potential flood spot
- Loud, audible alarm: 85 dBA
- Operating temperature: +34°F to +140°F (+1°C to +60°C)
- Standby current: 5 - 10uA
- Response time: ≤7 seconds
- Low battery warnig: chirps
- Mounting: place on horizontal surface, no attachment accessories required
- Power source: 9V heavy duty 6F22 battery

SAP Code	Material
CAM611	ABS

Water Leak Alarm 2 PCS

- Activate with direct water contact
- Loud, audible alarm, 85 dBA
- Fully automatic operation
- Power source: 12V 23A alkaline battery

SAP Code	Material
CAM612	ABS

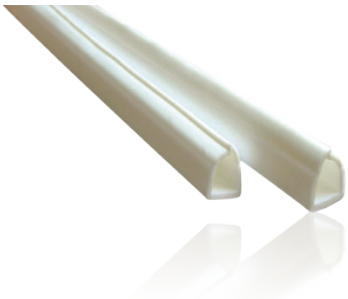
Gas detector

SAP Code	Specification	Approval
AJK961	Rated voltage: AC 230V/50~60Hz; Power consumption: <6W; Alarming level: ≤25% LEL; Alarm decibel: ≥85dB/3m; Working temperature: -10°C to +50°C; Humidity: 10%~85% RH; Detective gas: natural gas and liquid gas; Material: ABS; Size: 126×73×76mm	CE

Mounting Duct With Tape

- One piece design to facilitate application and time saving
- Soft cover, very good feeling
- Indoor use & easy to install
- With self adhesive

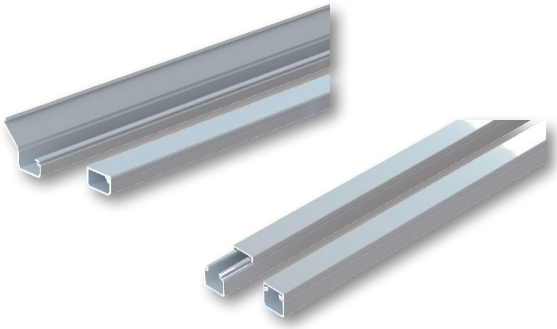
SAP Code	Length
ATN100	9mm / 1m * 3



Mounting Duct With Tape

- Dimensional stability from -20°C to +60°C
- Very easy to install
- High impact & Warp-proof
- With self adhesive

SAP Code	Length
CBI164	12 x 7 mm / 2m
ATN102	16 x 10 mm / 1m x 3
CBI166	16 x 10 mm / 2m
ATN104	20 x 10 mm / 1m x 3
CBI165	20 x 10 mm / 2m



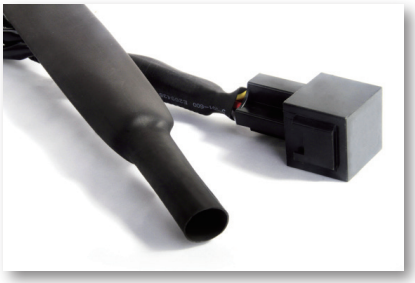
Heat Shrinkable Tube Kit

- Connection insulation
- Rust –proof, Water-proof
- Shrinking to 125°C
- Shrinks 50%
- 10 – 20 mm
- Ø10: 5pcs, Ø15: 5pcs, Ø20: 5pcs

SAP Code	Length	Color
ATN086	100mm	black

- Connection insulation
- Rust –proof, Water-proof
- Shrinking to 125 °C
- Shrinks 50%
- 2,5 – 7 mm
- Ø2.5: 5pcs; Ø3.5: 5pcs; Ø5: 5pcs; Ø7: 5pcs

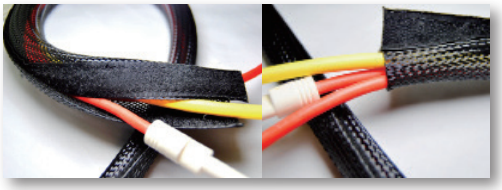
SAP Code	Length	Color
ATN087	100mm	black



Cable Wrap Mesh

- Easy on and Easy off
- Flexible
- Anti-abrasion
- Cable management
- Material: polyester
- Operating range: -50°C -150°C
- Flammability: VW-1
- Size: 32mm

SAP Code	Length	Color
ATN088	1.5m	black



Cable Wrap Spiral

- Easy on and Easy off
- Durable, reusable, no sharp edges
- Cable tidy
- Protection cables
- Material: Polyethylene+ Polypropylene
- Diameter: 25MM
- Operating range: -30°C to +100°C

SAP Code	Length	Color
ATN089	2m	white

Wireless Doorbell

- 64-Channel selection to avoid interference from neighborhood, freq.433.92MHz
- Operating range over 100 metres on open air
- Transmitter with waterproof IP44 and LED bulb

AJB162

AJB160

AJB159

AHA419

SAP Code	FIN Code	NOR Code	Selectable sounds on receiver	battery for transmitter	Voltage / batteries for receiver	Specification	Approvals
AJB162	197005	-	32 sounds	1X12V A23 (included)	3x1.5V AA (Not included)	Cool black	CE, RoHS
AJB160	197007	-	32 sounds	1X12V A23 (included)	3x1.5V AA (Not included)	Cool white	CE, RoHS
AJB159	197008	-	8 sounds	1X12V A23 (included)	2x1.5V AA (Not included).	Bell push is IP44 waterproof class	CE, RoHS
AHA419	E0618	-	32 sounds	1X12V A23 (included)	main power 220V	-	CE, RoHS

Battery-Free Wireless Doorbell

- Battery-free, environmental friendly
- Waterproof button. Can work under water
- Outdoor button can work under -40°C

Code	SAP: ANP449; E164023		
Specification		Chime	Button
	Power Supply	AC 230V	Self-powered
	Operating Temperature	-10°C to +40°C	-40°C to +60°C
	Working range	70m (open area)	
	RF Frequency	433MHz	
	Sound Level	85 dBA @ 3 ft (1m)	-
	Power Consumption	<200mW	-
	Water Proof	-	yes
	Ring Tone	25 polyphony ring tones	-
Approvals	CE, RoHS		

Oil-Filled Heater 600W Freestanding / Wall Mounted

- Freestanding or wall mounted
- Adjustable thermostat for temperature setting
- Overheating protection
- Usable area: 7-8 square meter
- Large heating surface
- Energy saving and safety
- On / off power switch
- Thermal automatic cut-out
- With wall mounted kit

SAP Code	Code	Voltage	Power	Dimension (L*W*H)	Length of cable	Cable	Approvals
AME448	E176042	220-240V, 50Hz	600W	1170*120*340mm	1.5M	H05RN-F3G 0.75mm^2	CE/RoHS

Oil-Filled Radiator With Thermostat

- Carry handle
- Adjustable thermostat control
- Overheating protection

ACV385 ACV387 ACV388 ACV389

SAP Code	Fins	Power	Heat setting	Length of cable	Cable	Specification	Approvals
ACV385	8	800W	1	External length: 1.5m, 2 pin plug with earthed	H05RN-F, 3*0.75mm^2	Power indicator light	GS,CE, LVD,EMC
ACV387	5	1000W	3	Gross length: 1.8m	-	With wheels for moving; Voltage: 230V~50Hz; Materials: main is plastic and metal;	CE GS
ACV388	7	1500W	3	External length: 1.5m, 2 pin plug with earthed	H05RN-F, 3*0.75mm^2	Power indicator light	CE GS
ACV389	9	2000W	3	External length: 1.5m, 2 pin plug with earthed	H05RN-F, 3*0.75mm^2	Power indicator light	GS,CE, LVD,EMC

Industrial Fan Heater

- Stainless steel heating element
- Adjustable thermostat control
- Overheat protection
- With fan
- Free standing
- Handle with insulation cover
- Whole metal casing

ADO512 ADO513 ADO514 ADS755

SAP Code	Code	Voltage	Power	Length of cable	Cable	IP standard	Specification	Approvals
ADO512	E176021	230V~50Hz, 14.35A	3300W	1.6M rubber cable	H05RR-F 3G1.5mm^2	X4	Cool blow available	CE/GS/ EMC/LVD
ADO513	E176022	400V~50Hz, 7.2A	5000W	1.6M	H07RN-F 4G1.5mm^2	X4	With time delay function, Cool blow available	CE/GS/ EMC/LVD
ADO514	E176023	400V~50Hz, 13A	9000W	1.6M	H07RN-F 4G2.5mm^2	X4	With time delay function	CE/GS/ EMC/LVD
ADS755	E176032	230V~50Hz, 8.7A	2000W	1.6M rubber cable	H05RR-F/H05RN-F 3G1.0mm^2	X4	Cool blow available	CE/GS/ EMC/LVD

Oil-Filled Heater 400W Freestanding

- Convenient to use in different locations
- Energy saving
- Free standing and wall-mounted
- With adjustable thermostat to keep the desired temperature
- Thermal automatic cut-out
- Overheating protection

Power cord length: 1.5m
Usable area: 5 square meter

SAP Code	Specification	Color
ASB549	220-240V~50Hz, 400W	White

Panel Heater

Wet area like stocks, wind cabinets, bathroom to be installed on the wall or floor
with thermostat indicator light
Overheating protection
Frost protection
Wall mounted and free standing with wheels
IPX4
GS, CE,RoHs tip-over switch

1.8m cord cable total rubber H05RR-F 3G 1.0mm2
220v-240v-50hz/60hz

SAP Code	Specification	Approvals
CBY345	1200W	CE RoHS GS
CBY346	650W	CE RoHS GS

CBY345

CBY346

Glass Panel Heater Stand/Wall 1000W

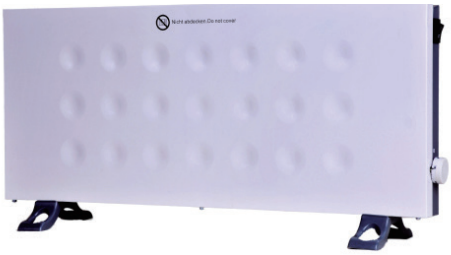
- Convenient to use in different locations
- Free standing with tripod and wall-mounted
- With adjustable thermostat to keep the desired temperature
- Thermal automatic cut-out
- Overheating protection

Power cord length: 1.5m
Tempered glass panel
Heating area: 5-15 square meter

SAP Code	Specification	Color	Approvals
CBY348	220-240V~50Hz,1000W	White	CE RoHS GS

Heater With Thermostat

- Metal cabinet
- With thermostat
- Both free stand and wall mounted
- Without timer



SAP Code	Voltage	Power	Length of cable	Cable	Color	Dimension (L x H x T)
ASB540	230V~50Hz, 16A	1000W	1.5 meter long	H05VV-F 3G x 0.75mm^2	White	663 x 286 x 52
ASB541	230V~50Hz, 16A	1500W	1.5 meter long	H05VV-F 3G x 0.75 mm^2	White	952 x 286 x 52

Convection Heater

- Adjustable thermostat control
- Indicator light
- Turbo fan included
- Overheat protection
- Materials: main is plastic and metal

SAP Code	Voltage	Power	Heat setting	Length of cable	Approvals
ACV390	230V~/50Hz	2000W	2	Gross length: 1.8m	CE, GS

Panel Heater

Available in vertical and horizontal position
Cool / warm / hot blast
Plastic body
Thermostat
Indicator light
Overheating protection
1.6m cord cable PVC HFN-2003 total 2X0.75mm
One time overheting protection in the heating element
220v-240v-50hz/60hz

SAP Code	Specification
CBY344	1000W / 1200W

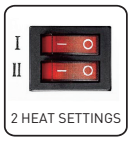
Panel Heater

The cool, warm and hot blast
Metal Frame
Thermostat
Overheating protection
1.6m cord cable total PVC H05VV-F total 3X0.75mm
One time overheting protection in the heating element
220v-240v-50hz/60hz

SAP Code	Specification
ACV391	2 heating power of 1000 W and 2000 W

PTC Ceramic Heater 750W/1500W

750W/1500W
Indispensable between seasons
With Tip-over protection
Integrated overheat cut-out
ABS plastic housing
150cm visible VDE cable
165mm*95mm*215mm (L*W*H)
IP 20



SAP Code
CCJ083

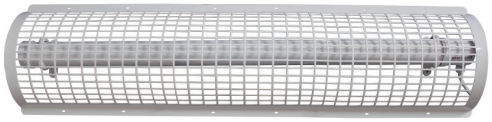
Terrace Heater 1KW With Rubber Cord

• Stainless steel heating element
• Wall mounted

SAP Code	Code	Voltage	Power	Length of cable	Cable	IP standard	Approvals
ADS756	E176033	230V~50Hz, 4.35A	1000W	1.0M	H05RN-F 3G 1.0mm²	21	CE/EMC/LVD

Tube Heater

Perfect for warming small rooms like Greenhouses, Garages, Utility rooms, Workshops, Spare Rooms, kitchen and etc



- Low power consumption like a lighting bulb
- With mounting brackets, cover and 1M rubber cable
- IP44

SAP Code	Code	Voltage	Power	Length of cable	Cable	Tube heater dimension	Cover dimension	Approvals
AMA714	E176041	230V~50Hz, 0.58A	135W	1M rubber cable	H05RN-F 3G0.75mm^2	Φ5mm×918mm	925x250x100mm	CE/EMC /LVD

Patio Heater Quartz With Stand

- Used for outdoor
- Free use angle at 0-45º
- Quartz tubes heating

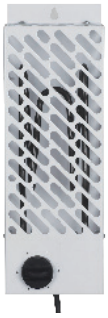
SAP Code	Height	Power	IP Standard	Length of cable
AMI725	2.1m	0-3 levels 650W/1300W/2000W	IP44	3m

Outdoor Heater 1000W

- Tempered glass
- Aluminium die-casting body

SAP Code	Voltage	Power	IP Standard	Approvals
ALK414	220-240V, 50Hz	Max: 1300W	24	CE/RoHS

Frost Watch Heater



- Stainless steel heating element;
- Adjustable thermostat to control 6 settings;
- Whole metal casing

Length of cable: 1M rubber cable
Cable: H05RN-F 3G1.0mm^2

SAP Code	Voltage	Power	IP standard	Specification
AEH954	230V~50Hz 0.87A	200W	21	Wall mounted

Fuse

SAP Code	Specification
ACZ671	6A 5 PCS
ACZ672	10 A 5 PCS
ACZ673	16A 5 PCS
ACZ674	20A 5 PCS
ACZ675	25A 5 PCS
ACZ676	35A 5 PCS

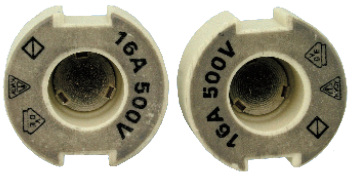
ACZ671

ACZ672

ACZ673

Contact Plate

SAP Code	Code	Specification	Approvals
ACZ552	3010	10A 2pcs	CE
ACZ553	3016	16A 2pcs	
ACZ554	3020	20A 2pcs	
ACZ555	3025	25A 2pcs	



ACZ553

Starter

• Stable and long life

ACZ371

ACZ372

SAP Code	Code	Specification	Approvals
ACZ371	14992	Starter, S10 single 220-240V, 4-22W	CE
ACZ372	14996	Starter, S10 single 220-240V, 4-65W	

Starter Quick

SAP Code	Specification
ACZ373	Starter, S10 single 220-240V, 4-65W

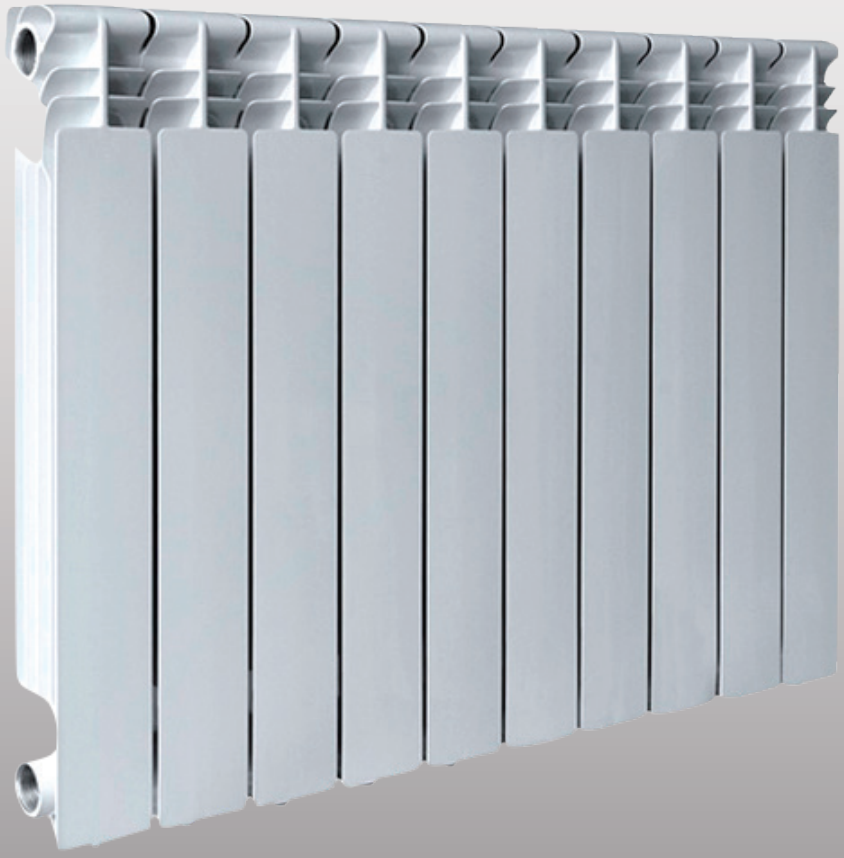
Cabinet Key

OPAL triangle - key for electric cabinets.
Key is made of nickel-plated zinc.
kk10 Zn

SAP Code
CBV468

OPAL

HEATING SOURCES



Aluminum Radiator

• Electrophasis surface and automatic painting
• Max.working pressure: 16bar
• Max. temperature +120°C

PL Code	Specification
8001-472LT	576*80*800mm

8001-472LT

Water Heater

SAP Code	Specification
CCC691	15L
AEJ237	30L
AEJ238	50L
AEJ239	80L
AEJ240	100L

Floor Gully

SAP Code	Specification
ABK348	Danfoss S 60 oil burner n 1,87/0,50 Gall/h
ABK349	Danfoss S 60 oil burner n 2,37/0,60 Gall/h
ABK350	Danfoss S 80 oil burner n 1,87/0,50 Gall/h
ABK351	Danfoss S 80 oil burner n 2,37/0,60 Gall/h

ABK348

Group Valve

SAP Code	Specification
AEJ237	Waterheaters 30-100L

OPAL

LIGHTING

Working Light Opal Brilliant

- Can be used for illumination of courtyards, building sites, loading docks, signs, facades, etc.
- Portable
- Lifetime: 50000 hours
- IP44
- Color temperature: 4000K
- 100-240V~ 50/60Hz
- Sanan LED chip
- Working temperature: -35°C ~ +50°C
- With 1.8m H05RNF 3 x 1.0mm2 cable and water proof uni-schuko plug
- Color: silver

SAP code	Power	LM
ASZ298	1 x 50W	5000
ASZ299	2 x 40W	8000

Working Light Opal Brilliant

- Can be used for illumination of courtyards, building sites, loading docks, signs, facades, etc.
- Lifetime: ≥50000 hours
- IP44
- Color temperature: 4000K
- 100-240V~ 50/60Hz
- Sanan LED chip
- Working temperature: -35°C ~ +50°C
- With 1.5m H05RNF 3 x 1.0mm2 cable and water proof uni-schuko plug
- Color: silver

SAP code	Power	LM
ASZ296	1 x 50W	5000
ASZ297	2 x 40W	8000

Working Light With Battery LED

- Color temperature: 4000K
- Working time: 2 hours
- Charging time: 5 hours
- Luminaire IP rating: IP44
- Charger IP rating: IP20
- Sanan LED chip
- Battery lifetime: 2 years or 500 times charging cycle
- Including AC charger adaptor and car charger
- Working temperature: -20°C ~ +40°C
- Color: silver

SAP code	Power	LM	Li-ioh battery
ASD417	10W	800	7.2V 2200mAh
ASD418	20W	1600	7.2V 4400mAh

Floodlight OPAL Brilliant

Opal Presence LED is a LED floodlight with a LED module which turns the light on instantly.
The floodlight can be used for illumination of courtyards, building sites, loading docks, signs, facades etc. The sensor version is a good aid for camera monitoring.

- **Construction:** Die cast aluminium, power coated light grey
- **Working temperature:** -35°C to +50°C
- **Warranty**: 3 years
- **Product Approval:** CE, RoHS

SAP code	Power	LM	Color temperature	Lifetime	IP standard	Sensor	Connection	Weight (Kg)
ASD412	30W	3000	4,000K	50,000h	44	NO	1.5 m 3 x 1,0 mm^2	2,61

Portable LED Working Light

Portable LED Flood Light with floor mounting bracket.
The Portable 10W LED Flood light is ideal for commercial and home use.

- **Sanan LED chip**
- **Working temperature**: -35°C to +50°C
- **Warranty**: 3 years
- **Product Approval**: CE

ASD413

ASD414

ASD415

SAP code	Power	LM	Color temperature	Lifetime	IP standard	Connection	Voltage
ASD413; 2OON260OY	10W	1000	4,000K	50,000h	44	Cord 1.8m 3 x 1.0mm^2	100V-240V~50/60Hz
ASD414; 2OON263OY	20W	2000	4,000K	50,000h	44	Cord 1.8m 3 x 1.0mm^2	100V-240V~50/60Hz
ASD415	30W	3000	4,000K	50,000h	44	Cord 1.8m 3 x 1.0mm^2	100V-240V~50/60Hz

LED Rechargeable Work Light With USB Outlet

- Battery can be used as a power bank
- With adaptor and car charger
- Battery lifetime: 2 years
- Luminaire IP rating: IP44
- Color temperature: 4000K
- Sanan LED chip
- Working temperature: -20°C ~ +40°C
- Color: orange

ASN252

ASN253

Battery can be used as a power bank

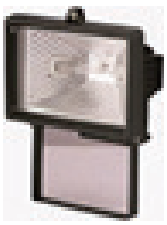
SAP Code	Input voltage	Power	Lumens	Lithium battery capacity	Charging time	Working time
ASN252; 2OON280OY	8.4V DC	1 x 10W	800	7.4V / 4400mAh	5 hours	2 hours
ASN253; 2OON282OY	8.4V DC	1 x 20W	1600	7.4V / 4400mAh	5 hours	1.5–2 hours

Floodlight Opal Brilliant

Polish Code	Specification
2OON131OY	10W700LM
2OON135OY	20W1500LM
2OON142OY	30W2200LM

Halogen Floodlight

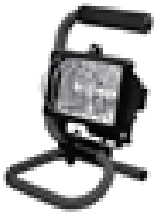
Polish Code	Specification
2OON012OY	220V~240V/50Hz, 2*230W Tripod
2OON000OY	230V,50Hz,120W Halogen Lamp
2OON002OY	230V,50Hz,230W Halogen Lamp
2OON004OY	230V,50Hz,120W Halogen Lamp
2OON006OY	230V,50Hz,120W Halogen Lamp
2OON008OY	230V,50Hz,400W With Black Sensor
2OON010OY	230V,50Hz,400W With White Sensor
2OON014OY	230V,50Hz,230W, Portable Halogen
2OON016OY	230V,50Hz,120W, Portable Halogen



2OON000OY

2OON060OY

2OON040OY



2OON016OY

Working Light Brilliant 10W

Polish Code	Specification
2OON230OY	700LM

Working Light

Polish Code	Specification
2OON233OY	20W 1500LM
2OON236OY	30W 2200LM

2OON233OY

2OON236OY

Sensor Lumin Opal Brilliant

Polish Code	Specification
2OON180OY	10W 700LM SE
2OON183OY	20W 1500LM S

2OON180OY

2OON183OY

LED Floodlight

200 V - 240 V - 50 Hz/60 Hz
Sanan LED chip
With 1.0m cable and water proof uni-schuko plug
Color: black

- **Working temperature:** -35°C to +50°C
- **Warranty**: 3 years

SAP code	Power	LM	Color temperature	Lifetime	IP standard	Sensor
CBY341	10W	700	4,000K	30,000h	44	YES
2OON040OY	10W	700	4,000K	30,000h	44	YES
CBY347	10W	700	4,000K	30,000h	65	NO
2OON030OY	10W	700	4,000K	30,000h	65	NO
CBY343	20W	1400	4,000K	30,000h	44	YES
2OON060OY	20W	1400	4,000K	30,000h	44	YES
CBY342	20W	1400	4,000K	30,000h	65	NO
2OON050OY	20W	1400	4,000K	30,000h	65	NO

Stand

Polish Code	Specification
2OON018OY	Halogen_floodlightstripod-Stan

Working Light Opal Brilliant 10W Tripod

Working light Opal brilliant with tripod has two 10W LED floodlights mounted on a telescopic stand for easy repositioning. It enables you to have the light where you need it every time.
It can be widely used in billboards, highways, railway tunnels, bridges, squares, stadiums, trees, parking lots, building walls, hotel, meeting room, offices, hospital, schools, factories, commercial lighting, shopping malls, supermarkets, kitchen, display, backlight and so on.

- Sanan LED chip
- With 3m H05RN-F 3*1.0MM2 cable and water proof uni-schuko plug
- **Working temperature**: -35°C to +50°C
- **Warranty**: 5 years
- **Product Approval**: CE, RoHS

code	Power	LM	Color temperature	IP standard	Lifetime	Voltage	Dimensions W x H x D(mm)	Weight (KG)
2OON245OY	2x10W	2x1000	4,000K	44	50,000h	100V-240V~ 50/60Hz	600 x 2000 x 600	2.7
ASD416								

Outdoors Wall Luminaire

- Voltage: 220-240V
- Light Source: E27
- Watt: 100W(bulb excl)
- Safety Class: I
- IP Value: IP44
- Material: Aluminium
- Diffuser: Glass

SAP code
CBU850

Outdoors Wall Luminaire

- Voltage: 220-240V
- Light Source: E27
- Safety Class: I
- IP Value: IP44
- Material: Aluminium
- Diffuser: Frost glass

SAP code	Watt
CBU855	100W
CBU853	60W

Outdoors Wall Luminaire

- Voltage: 220-240V
- Light Source: E27
- Watt: 60W (bulb excl)
- Safety Class: I
- IP Value: IP44
- Material: Stainless steel
- Diffuser: Clear glass

SAP code
CBU847

- Voltage: 220-240V
- Light Source: E27
- Watt: 60W (bulb excl)
- Safety Class: I
- IP Value: IP44
- Material: Stainless steel
- Diffuser: Clear glass

SAP code
CBU849

Outdoors Wall Luminaire

- Voltage: 220-240V
- Light Source: E27
- Watt: 15W CFL bulb (bulb excl)
- Safety Class: I
- IP Value: IP44
- Material: Stainless steel
- Diffuser: Opal plastic

SAP code
CBU848

Outdoors Wall Luminaire

- Voltage: 220-240V
- Light Source: GU10
- Watt: 35W (bulb excl)
- Safety Class: I
- IP Value: IP44
- Material: Stainless steel
- Diffuser: Clear glass

SAP code
CBU846

- Voltage: 220-240V
- Light Source: GU10
- Watt: 35W (bulb excl)
- Safety Class: I
- IP Value: IP44
- Material: Stainless steel
- Diffuser: Clear glass

SAP code
CBU851

Outdoors Wall Luminaire

- Voltage: 220-240V
- Light Source: E27
- Safety Class: I
- IP Value: IP44
- Material: Stainless steel

SAP code	Watt	Diffuser
CBU854	60W	clear glass
CBU856	15W CFL bulb	plastic

3 Part Downlight Serie

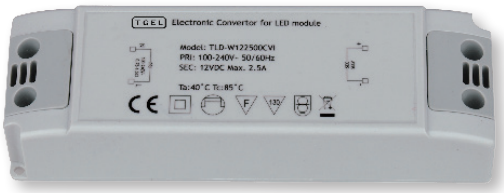
- Aluminium die cast twistlock 3 Spots
- IP44 round fixed down light rings
- Suitable for both halogen and LED light sources (GU10)
- 230V GU10 lamp holders
- Screwless connection boxes
- Includes 3 x halogen 35W
- Color temperature 2700K
- Lume 175lm

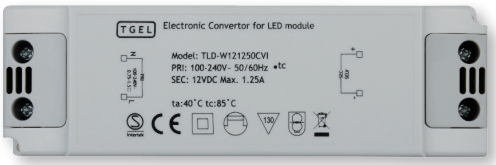
SAP code	Color
ATN121	Sprayed white
ATN122	Brushed aluminium

Led Driver

- LED Driver
- 100-240V
- LED module
- Constant voltage function
- Not dimmable
- Suitable cable types at primary side:
- Flexible cord H03VVH2-F 2 x 0.75mm2 or Rigid wire 2 x 1.5mm2
- Connection at secondary: Single terminal block (Not parallel)

SAP code	Specification
ATN119	0 - 30 W, 12VDC Max.2500mA
ATN120	0 - 15 W, 12VDC Max.1250mA





Lighting Mirror Cabinet

- Energy saving
- **Application**: bathroom, etc
- **Product Approval**: CE

SAP code	Code	Type	W*H*L mm	Lamp	IP standard	Color temperature	Voltage	Specification
AJI553	E177203	Queen VPK65	650*600*115	2xT5 13W tube	44	3000K	220-240V~ /50Hz	With on/off waterproof rocker switch; Electronic ballast to ensure instant start and constant working condition; 5mm thick silvering mirror panel with edges polished; Hardwired for easy and quick mains supply connection

Lighting Mirror

- Energy saving
- **Application**: bathroom, etc
- **Product Approval**: CE

SAP code	Code	Type	W*H*L mm	Lamp	IP standard	Color temperature	Voltage	Specification
AMX612	E177137	Queen VP60	600*700*60	2xT5 13W tube	44	3000K	220-240V~/50Hz	With on/off waterproof rocker switch; Electronic ballast to ensure instant start and constant working condition; 5mm thick silvering mirror panel with edges polished; Hardwired for easy and quick mains supply connection
AJI552	E177202	Queen VP90	900*600*60	2xT5 13W tube	44	3000K	220-240V~/50Hz	

Universal Luminaire LED

- This Universal Luminaire LED is designed for indoor use only.
- Application: Apartment houses, Offices, Schools, Stores, Hotels, Hospitals, Airports in Public Spaces.
- Working temperature: -10°C to +40°C
- **Warranty**: 3 years
- **Product approval**: GS, CE, RoHS

SAP code	Power	Lm	LED type	Color temperature	IP standard	Lifetime	Dimension (mm)	Voltage
ANZ612	14W	800	SMD3020	3,000K	44	20,000h	Φ250*80	220V-240V~ 50Hz

OPAL

PLUMBING

Garden Pump 1000W

- Max. Flow: 3500l/h
- Max. Lift: 44M
- Max. Sucking Height: 8M
- Work Pressure: 1.5-3bar
- Net Weight 13.7KG
- Match 1" diameter pipe
- Length of cable 1.0M, VDE plug, 230V,50Hz,1000W
- Max. water temperature 35°C

SAP code
CAZ838

Garden Pump 1200W

- Max. Flow: 3700l/h
- Max. Lift: 46M
- Max. Sucking Height: 8M
- Work Pressure: 1.5-3bar
- Net Weight 14KG
- Match 1" diameter pipe
- Length of cable 1.0M, VDE plug, 230V,50Hz,1200W
- Max. water temperature 35°C

SAP code
CAZ827

Submersible Pump 400W

- Max. Flow: 8000l/h
- Max. Lift: 8M
- Max. Depth: 7M
- Max. Grain size: 5mm
- Net Weight 4.3KG
- Match 1”, 1 1/4” diameter pipe

SAP code
CAZ832

Submersible Pump 900W

- V&Hz: 230V/50Hz
- Max pump rate: 14,000l/h
- Max height: 8.5m
- Max depth: 5M
- Max grain size: 35mm
  Dia.of pipe: 1"G1"1¼"G1¼"G1½"
- Cable type: H07RN-F3G1.0mm²
- Length of cable: 10m

SAP code
CAZ837

Submersible Pump

- Max. water temperature +35°C
- **Product Approval**: CE, EMC, GS

AEH916

AEH914

AEH923

SAP code	Code	Max. Flow	Max. Lift	Max. Depth	Max. Grain size	Motor	Voltage	Hose connector	Net Weight	Cable	Specification
AEH916	E089020	8000l/h	5M	5M	35mm	400W	230V~ 50Hz	match 1”, 1 1/4”, 1 1/2” diameter pipe	4.4KG	10M,VDE plug	Auto and adjustable water level control
AEH917	E089025	10000l/h	7M	5M	35mm	550W	230V~ 50Hz	match 1”, 1 1/4”, 1 1/2” diameter pipe	4.5KG	10M,VDE plug	
AEH918	E089030	13000l/h	8M	7M	35mm	750W	230V~ 50Hz	match 1”, 1 1/4”, 1 1/2” diameter pipe	5.3KG	10M,VDE plug	
AEH914	E089010	13000l/h	8M	5M	35mm	750W	230V~ 50Hz	match 1”, 1 1/4”, 1 1/2”diameter pipe	5.3KG	10M,VDE plug	Stainless steel shell; Conveniently water level control
AEH915	E089015	16500l/h	11M	5M	35mm	1100W	230V~ 50Hz	match 1”, 1 1/4”, 1 1/2”diameter pipe	7.0KG	10M,VDE plug	
AEH923	E089055	4000l/h	5M	5M	2mm	200W	230V~ 50Hz	match 1” diameter pipe	3.4KG	10M,VDE plug	Auto working design; Conveniently to handle

Water Pump-Pressure Systems

- High efficiency
- Auto working design
- Max. water temperature +35°C
- **Product Approval**: CE, EMC, GS

AEH919

AEH920

SAP code	Code	Max. Flow	Max. Lift	Motor	Voltage	Hose connector	Max suction height	Net Weight	Work Pressure	Cable	Specification
AEH919	E089035	3200l/h	38m	800W	230V~ 50Hz	match 1" diameter pipe	8m	11.0KG	1.5-3bar	1.2m, VDE plug	Steel tank with blue painting
AEH920	E089040	3200l/h	38m	800W	230V~ 50Hz	match 1" diameter pipe	8m	10.2KG	1.5-3bar	1.2m, VDE plug	Stainless steel tank

Garden Pump

- Max. Sucking Height: 8M
- Match 1" diameter pipe;
- Length of cable 1.0M
- VDE plug
- 230V,50Hz
- Max. water temperature 35°C

SAP code	Power	Max. Flow	Max. Lift	Work Pressure	Net Weight
CAZ828	600W	3000l/h	35M	1.3-2.6bar	9.5KG
CAZ830	800W	3200l/h	38M	1.5-3bar	11.6KG

Submersible Pump

- V&Hz:230V/50Hz
- Max grain size:5mm
  Dia.of pipe:1"G1"1¼"G1¼"
- Length of cable:10m

SAP code	Power	Max. pump rate	Max height	Max depth
CAZ829	750W	11,000l/h	8.5m	7M
CAZ831	550W	8,500l/h	7.5m	7M
CAZ835	900W	13,000l/h	9m	5M
CAZ836	400W	7,500l/h	6.5m	5M

Garden Pump

- High efficiency
- **Product Approval**: CE, EMC, GS

AEH922

ACS520

AEH921

SAP code	Code	Max. Flow	Max. Lift	Motor	Voltage	Hose connector	Max suction height	Net Weight	Max Work Pressure	Cable	Temperature
AEH922	E089050	3200l/h	38M	800W	230V~ 50Hz	match 1" diameter pipe	8 m	6.4KG	3.8bar	1.2m, VDE plug	Max. water temperature +35°C; Conveniently to handle
ACS520	4737812	3200l/h	38M	800W	230V~ 50Hz	Dia. Of pipe: G1"	8 m	6.4KG	3.8bar	1.2m, H07RN-F 3G1.0mm^2	Max.water temperature: +35°C; Conveniently to handle
AEH921	E089045	3200l/h	38M	800W	230V~ 50Hz	match 1" diameter pipe	8 m	8.5KG	3.8bar	1.2m, H07RN-F 3G1.0mm^2	Auto working design; No-water protection

Circulation Pump 60L

- Rated Power: 5-45W
- Voltage & Hz: 230V/50Hz
- Max. Flow: 60 L/Min
- Max. height: 6 M
- Inlet/Outlet: 1-1/2"

SAP Code
CBN500

Drain Hose

SAP code	Specification
CBR129	Material: PVC, Diameter: 38mm, Length: 10M
CBR128	Material: PVC, Diameter: 51mm, Length: 12M

Suction Hose With Foot Brass Valve

SAP code	Specification
CAZ833	AT-3 7M
CAZ834	AT-4 10M

Pump Fitting Set 1” - 24/19

Fitting set for connecting the outlet hose to the water pump. Suitable for 1” female or male thread. Hose connector for 24mm or 19mm hose. Included: 1” hexagon nipple, tape for the pipe, hose tightener and 24/19mm hose connection.

SAP Code
CBR941

Pum Basin Waste Outlet

• With overflow

SAP code
CAL541

Toilet Sleeve

• Eccentric 0-13mm

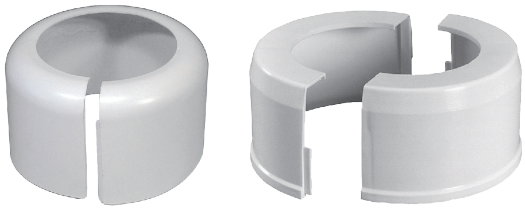
SAP code
CAL533

Bottle Trap

SAP code	Specification
CAL528	G32x40 chromed PP
CAL540	G32x32 white

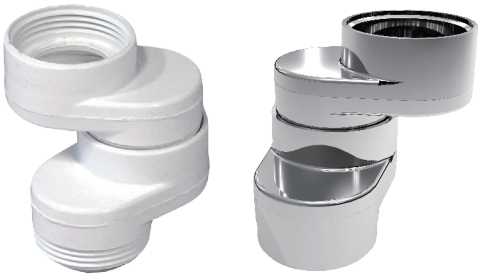
Cover Piece

SAP code	Specification
CAL522	For Toilet Sleeve
CAL538	For toilet sleeve 2-piece



Eccentric Coupling

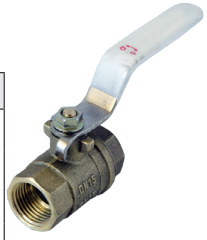
SAP code	Color
CAL517	G32 white
CAL535	G32 chromed



DZR Ball valve F/F

- For hot and cold water services
- Conform to EN13828 standard

SAP Code	Code	Specification	Approvals
ABK088	E080154	3/8	STF, WRAS
ABK089	E080119	1/2	
ABK090	E080120	3/4	
ABK091	E080121	1	
ABK092	E080122	1 1/4	



ABK089

Hose Bibcock

- Brass ball sealed
- Nickel plate
- Stainless steel tail
- Standard brass

SAP Code	Code	Specification
ABK096	E077008	1/2 M
ABK097	E077009	3/4 M
ABK098	E077011	1 M

Hose ball bibcock frost proof (Standard brass)

- Brass ball sealed
- Nickel plate
- Stainless steel tail

SAP Code	Specification
ADJ783	1/2 M

Hose bibcock Chrome (Standard brass)

- Brass ball sealed
- Nickel plate
- Stainless steel tail

SAP Code	Specification
ADJ782	1/2 M

Sette Cistern Tap (Standard Brass)

SAP Code	Specification
ABK099	3/4 M

Bibcock for cistern nut+gasket (Standard brass)

- Brass ball sealed
- Nickel plate
- Stainless steel tail

SAP Code	Specification
ADJ784	1/2 M

Hose Stop Connector 1/2-5/8”

SAP code
CBN452

Hose Connector

SAP code	Specification
CBN453	TPR 3/4"
CBN454	TPR 3/4" auto shut off

Hose Mender Soft Face

SAP code	Specification
CBN451	1/2"
CBN466	3/4"

Threaded Tap Connector

SAP code	Specification
CBN455	Threaded Tap Connector 3/4”
CBN462	Tap Adaptor To 1” Tap Female

Threaded Tap Connector

SAP code	Specification
CBN464	1/2" to 3/4"
CBN468	3/4" to 1"

Standard Hose Connector 1/2-5/8”

SAP code
CBN469

Hose Repair Kit 3-Way

SAP code
CBN458

Threaded Tap Connector 3/4”

SAP code
CBN455

Economic Pressure Sprayer 5L

• With plastic nozzle

SAP code
CBN457

Pressure Sprayer 1.5L

• With plastic nozzle

SAP code
CBN461

Spray Pistol

SAP code	Specification
CBN465	2 function adjustable metal water gun
CBN463	9 function adjustable metal water gun
CBN467	7 functions Spray pistol

Spray Pistol

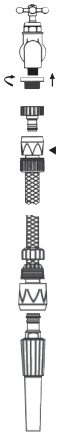
• Adjustable trigger spray pistol (rubber touch metal body)
• 9 functions

SAP code
CBN460

Spray Pistol

SAP code	Specification
CBN456	Adjustable nozzle, metal
CBN459	2 function, plastic

Tap Adaptor And Quick Connector



- Fashion
- Easy-using design
- Made from high quality ABS plastic

ADP138

ADP139

ADP142

ADP143

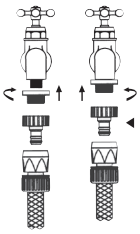
SAP Code	Code	Name	Specification
ADP138	E078680	1/2" To 5/8" hose connector	1/2" to 5/8" hose connector soft face, 12-15 mm
ADP139	E078681	Hose stop connector 1/2-5/8”	1/2" to 5/8" hose connector with stop soft face, 12-15 mm
ADP140	E078690	Standard hose connector 3/4”	3/4" hose connector soft face, 19 mm
ADP141	E078691	Hose stop connector 3/4”	3/4" hose connector with stop soft face, 19 mm
ADP142	E078695	Standard hose connector 1/2-5/8”	used for hose diameter 1/2" to 5/8" , mender soft face, 12-15 mm
ADP143	E078700	Standard hose connector 5/8-3/4”	used for hose diameter 5/8" to 3/4" , mender soft face, 15-19 mm

- Fashion
- Easy-using design

SAP Code	Code	Name	Specification
ADP145	E078704	Extension joint	2 way coupling coupler soft face, 1/2 - 5/8” Φ 12-15mm

- Fashion
- Easy-using design
- Made from high quality ABS plastic

SAP Code	Code	Name	Specification
ADP135	E078665	3/4” male plastic connector	3/4" male plastic connector soft face, 20,5mm



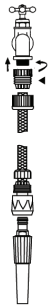
- Fashion
- Easy-using design
- Made from high quality ABS plastic

SAP Code	Code	Name	Specification
ADP136	E078670	Threaded tap connector 1/2”	1/2" tap adaptor assembled with soft face, 21 mm
ADP137	E078671	Threaded tap connector 3/4”	3/4" tap adaptor soft face, 26,5mm
ADZ719	E078672	Tap adaptor to 1 tap female	1" tap adaptor soft face, 33,3 mm

- Fashion
- Easy-using design
- Made from high quality ABS plastic

SAP Code	Code	Name	Specification
ADP134	E078660	Threaded tap connector 1/2-3/4”	1/2-3/4" Tap adaptor soft face, 21-26,5 mm
ADZ718	E078661	Tap adaptor to 3/4-1” to 1 tap	3/4-1" Tap adaptor soft face, 26,5-33,3 mm

Spray Pistol



• Fashion
• Easy-using design
• Made from high quality ABS plastic

SAP Code	Code	Name	Specification
ADP148	E078780	Standard hose connector 3/4”	3/4" tap adaptor for 1/2"-5/8" hose, (G3/4”) 26,5mm (G1/2-5/8”) 12-15 mm
ADP149	E078785	Threaded tap connector 3/4”	3/4" tap adaptor for 3/4" hose, 26,5mm

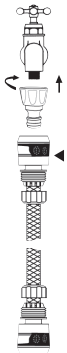
ADP150

ADP151

• Made from high quality ABS plastic
• Universal hose fitting enables fast and easy exchange of nozzles and watering equipment.

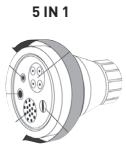
SAP Code	Code	Name	Specification
ADP150	E078790	3/4” female hose connector	3/4" female thread connector , 26,5mm
ADP151	E078795	Male hose connector 3/4”	3/4" male thread connector, EU standard

Water Nozzle Accessories



• Fashion
• Easy-using design
• Made from high quality ABS plastic
• Fittings are applied on both hose ends to enable connection of other watering system elements.
• Universal fitting with a stop valve for fast and easy exchange of nozzles and watering equipment.
• Built-in stop valve automatically cuts off water flow when watering equipment is not commected
(no need to close the tap water).

SAP Code	Code	Name	Specification
ADP126	E078580	Spray pistol	Metal body adjustable nozzle, brass head. 2 Spray variations
ADP130	E078600	Spray pistol	Adjustable nozzle (plastic body) soft face. 2 Spray variations
ADP132	E078615	Spray pistol	Deluxe 5 pattern nozzle with connector, 5 spray variations. 5 Step smooth adjustment of water jet: Strong stream, Gentle spray, Flat stream, Drizzle, Mist



• Fashion
• Easy-using design
• Made from high quality ABS plastic

SAP Code	Code	Name	Specification
ADZ715	E078523	Adjustable nozzle	adjustable nozzle soft face

Hose Repair Kit

• Made from high quality ABS plastic
• Allows to connect two hoses with fittings

SAP Code	Code	Specification
ADP146	E078750	3pcs hose repair connector set for hose diammeter from 1/2" to 5/8". Φ 12-15mm; 3/4'

• Made from high quality ABS plastic
• Divides one water source (from a hose) into two streams

SAP Code	Code	Specification
ADP147	E078760	4 pcs hose connector set for hose diameter from 1/2" to 5/8". Φ 12-15mm; 3/4'

Hose Reel Cart

Garden hose trolley 60m ½" hose

• Easily portable
• Holds 60m of hose ½"
• Drum made of high quality ABS plastic
• Drum design features simple assembling
• without tools, and easy hose storing

SAP Code	Code	Specification	Approval
ADP120	E078502	Hose reel cart without hose 60mx1/2", Telescopic handle, Aluminium	CE

AUTO REWIND WALL MOUNTED REEL WITH HOSE GUIDE 20M 12MM H.

• Auto Roll-up Hose Reel
• Ready assembled wall mounted auto rewind reel with hose fittings
• Thru-Flow system
• No need to unwind the entire hose-water flows through the hose while it is on the reel
• The reel is designed for external use only and is not suitable for use with indoor taps

SAP Code	Code	Specification	Approval
ADQ012	E078480	Auto rewind wall mounted hose reel with hose guide Hose reel contains: 12,5mm x 20m high quality garden hose 12,5mm x 1,5m leading hose 1 pc adhustable nozzle 1 pc hose connector 1 pc hose connector with stop 1 pc tap adaptor 1 pc black wall bracket, 4 pcs plugs and screws supplied. Dimensions of product: 480 x 225 x 405 mm	CE

Spraying Pistol NITO DIY

SAP Code	Code	Specification
ABK100	E019052	Spraying pistol Nito diy

Soft Spray Wand Long Adjustable Brush

- 9 IN 1
- 9 spray variations
- Fashion
- Easy-using design

SAP Code	Code	Specification
ADP125	E078570	9 pattern adjustable water wand TPR handle 30", ABS, Aluminium; 3/4'

Cleaning Brush With Switch

- 2 IN 1
- With switch
- Adjust water
- Car brush with switch and can control the water flow
- Turn off the brush hand and can be used as nozzle
- Fashion
- Easy-using design

SAP Code	Code	Specification
ADP124	E078560	spray brush kit with switch; ABS; 3/4'

Lawn Spinkler With Earth Spike

- Accurate, adjustable sprinkler watering the area of a full circle or its part
- Adjustment system allows to set the angle - sprinkling sector
- Sprinkling diameter: ca. 26m
- Sprinkled area: ca 530 m^2
- The sprinkler works at water pressure from 1 bar up

SAP Code	Code	Specification
ADP152	E078855	impulse sprinkler on metal spike

Oscillating Sprinkler

- Adjust to different settings and 4 postions.
- Multi-position dial for a variety of wattering patterns.
- Max 260 m^2
- Adjust the width of the spray

SAP Code	Code	Specification
ADP154	E078890	18 hole oscillating sprinkler 970-2800sq.ft soft face

Press Fittings

SAP Code	Specification
Coupling Cu	
AOG519	12 MM CU
AOG520	15 MM CU
AOG521	18 MM CU
AOG522	22 MM CU
AOG523	28 MM CU
Coupling chrome	
AOG632	12 MM KROM
AOG623	15 MM KROM
AOG638	18 MAPRESS
Slip coupling Cu	
AOG524	15 MM CU
AOG525	18 MM CU
AOG526	22 MM CU
AOG527	28 MM CU
Slip coupling chrome	
AOG627	15 MM KROM
Cap Cu	
AOG616	15 MM CU
AOG634	18 MM CU
AOG607	22 MM CU
AOG608	28 MM CU
Reducer Cu	
AOG528	15 -12 MM CU
AOG529	18-12 MM CU
AOG530	18-15 MM CU
AOG531	22-15 MM CU
AOG532	22-18 MM CU
AOG533	28-15 MM CU
AOG534	28-18 MM CU
AOG535	28-22 MM CU
Reducer chrome	
AOG631	15-12 MM KROM
AOG626	18-12 MM KROM
AOG611	18-15 MM KROM
Bend 90 Cu	
AOG536	12 MM CU
AOG537	15 MM CU
AOG538	18 MM CU
AOG539	22 MM CU
AOG540	28 MM CU
Bend 90 chrome	
AOG609	12 MM KROM
AOG622	15 MM KROM
AOG610	18 MM KROM

SAP Code	Specification
Bend 90/1 Cu	
AOG541	12 MM CU
AOG542	15 MM CU
AOG543	18 MM CU
AOG544	22 MM CU
AOG545	28 MM CU
Bend 90/1 chrome	
AOG619	12 MM KROM
AOG621	15 MM KROM
AOG624	18 MM KROM
Bend 45 Cu	
AOG546	12 MM CU
AOG547	15 MM CU
AOG548	18 MM CU
AOG549	22 MM CU
AOG550	28 MM CU
Bend 45 chrome	
AOG625	12 MM KROM
AOG636	15 MM KROM
Bend 45/1 Cu	
AOG551	12 MM CU
AOG552	15 MM CU
AOG553	18 MM CU
AOG554	22 MM CU
AOG555	28 MM CU
Bend 45/1 chrome	
AOG633	12 MM KROM
AOG630	15 MM KROM
Adapter female thread Cu	
AOG558	12 X 3/8 MM CU
AOG559	12 X 1/2 MM CU
AOG560	15 X 3/8 MM CU
AOG561	15 X 1/2 MM CU
AOG562	15 X 3/4 MM CU
AOG563	18 X 1/2 MM CU
AOG564	18 X 3/4 MM CU
AOG565	22 X 1/2 MM CU
AOG566	22 X 3/4 MM CU
AOG567	22 X 1 MM CU
AOG568	28 X 3/4 MM CU
AOG569	28 X 1 MM CU
AOG570	28 X 1 1/4 MM CU
Adapter female thread chrome	
AOG613	15 X 1/2 KROM
AOG620	12 X 1/2 MM KROM

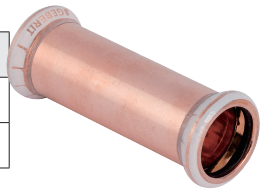
Press Fittings

SAP Code	Specification
Adapter male thread Cu	
AOG571	12 X3/8 MM CU
AOG572	12 X 1/2 MM CU
AOG573	15 X 3/8 MM CU
AOG574	15 X 1/2 MM CU
AOG575	15 X 3/4MM CU
AOG576	18 X 1/2 MM CU
AOG577	18 X 3/4 MM CU
AOG578	22 X 1/2 MM CU
AOG579	22 X 3/4 MM CU
AOG580	22 X 1 MM CU
AOG581	28 X 3/4 MM CU
AOG582	28 X 1 MM CU
AOG583	28 X 1 1/4 MM CU
Adapter male thread chrome	
AOG614	12 X 1/2 KROM
AOG615	15 X 1/2 KROM
Elbow tap female Thread Cu	
AOG556	12 X 1/2 MM CU
AOG557	15 X 1/2 MM CU
T-Piece Cu	
AOG584	12 MM CU
AOG585	15 MM CU
AOG586	18 MM CU
AOG587	22 MM CU
AOG588	28 MM CU
T-Piece chrome	
AOG628	12 MM KROM
AOG635	15 MM KROM
AOG637	18 MAPRESS

SAP Code	Specification
T-Piece reducer Cu	
AOG589	15-12-15 MM CU
AOG590	18-12-18 MM CU
AOG591	18-15-18 MM CU
AOG592	22-15-22 MM CU
AOG593	22-18-22 MM CU
AOG594	28-15-28 MM CU
AOG595	28-18-28 MM CU
AOG596	28-22-28 MM CU
AOG597	18-15-15 MM CU
AOG598	22-15-15 MM CU
AOG599	22-22-15 MM CU
AOG612	18-18-15 MM CU
T-Piece reducer chrome	
AOG629	15-12-15 MM KROM
AOG617	18-12-18 MM KROM
AOG639	18-15-18 MAPRESS
T-Piece female thread Cu	
AOG600	12-1/2-12 MM CU
AOG601	15-1/2-15 MM CU
AOG602	18-1/2-18 MM CU
AOG603	22-1/2-22 MM CU
AOG604	22-3/4-22 MM CU
AOG605	28-1/2-28 MM CU
AOG606	28-3/4-28 MM CU
Pipe bridge chrome	
AOG618	15 MM KROM

Slip Coupling Cu

SAP code	Specification
AOG524	15 MM CU
AOG525	18 MM CU



Reducer Chrom

• 18-15 MM KROM

SAP code
AOG611

T-Piece F. Thread Cu

• 18-1/2-18 MM CU

SAP code
AOG602

T-Piece Red. Cu

SAP code	Specification
AOG598	22-15-15 MM CU
AOG612	18-18-15 MM CU

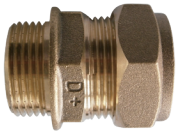
Bend 90 Chrom

• 18 MM KROM

SAP code
AOG610

DZR Compression Fitting

- Forged nut
- Male thread end with serration
- **Product Approval:** WRAS KIWA STF



SAP Code	Code	Type	Specification
ABJ959	E015141	C/M	10X3/8
ABJ961	E015015		10X1/2
ABJ960	E015142		12X3/8
ABJ962	E015016		12X1/2
ABL202	E015194		15X3/8
ABJ963	E015017		15X1/2
ABJ965	E015162		15X3/4
ABJ964	E016029		18X1/2
ABJ966	E015143		18X3/4
ABJ967	E016030		22X3/4
ABL201	E015192		28X1

- Forged nut
- With key-grip on body
- **Product Approval:** WRAS KIWA STF

chrome

SAP Code	Code	Type	Specification
ABJ976	E015023	C/C	10 X 10
ABJ977	E015024		12 X 12
ABJ978	E015025		15 X 15
ABJ979	E015026		18 X 18
ABJ980	E015165		22 X 22
ABL204	E015355	C/C	10 X 10
ABL205	E015360		12 X 12
AJL459	E015855		15 X 15
ABJ987	E015150	C/F	10X1/2
ABL206	E015365		12X3/8
ABJ988	E015151		12X1/2
ABJ989	E015152		15X1/2
ABJ990	E015154		18X1/2
ABJ991	E015155		22X3/4

DZR Compression Fitting Angle C/M

- Forged nut
- Male thread end with serration
- With key-grip on body
- **Product Approval:** WRAS KIWA STF

SAP Code	Code	Specification
ABJ981	E015166	10X3/8
ABJ982	E015056	10X1/2
ABJ983	E015027	12X1/2
ABJ984	E015028	15X1/2
ABJ985	E015170	18X1/2
ABJ986	E015171	22X3/4

DZR Compression Fitting T-coupling

- Forged nut
- With key-grip on body

SAP Code	Code	Specification
ABJ993	E015030	10X10X10
ABJ994	E015031	12X12X12
ABJ995	E015032	15X15X15
ABJ996	E015057	18X18X18
ABJ997	E015172	22X22X22

chrome

SAP Code	Code	Specification
ABL207	E015370	10X10X10
ABL208	E015375	12X12X12
AJL458	E015390	15X15X15

DZR Compression Reducer Fitting C/C

- Forged nut
- **Product Approval:** WRAS KIWA STF

SAP Code	Code	Specification
ABJ951	E015008	10 X 8
ABJ952	E015009	12 X 8
ABJ953	E015010	12 X 10
ABJ955	E015012	15 X 10
ABJ956	E015053	15 X 12
ABJ958	E015054	18 X 15

DZR Compression Fitting

Technical date

1. Maximum temperatures and pressures

Maximum temperature	Maximum pressures for nominal diameters	
°C	from 6mm up to and including 54mm bar	over 54mm up to and including 108mm bar
30	16	10
65	10	6
110	6	4
120	5	3
NOTE: Intermediate pressure ratings shall be determined by interpolation.		

2. Translations turns

Type of tube	Size of tube		
	8-18mm	22mm	28-54mm
	Tightening turns		
Half hard and hard copper tube	11/4	1	3/4
Soft copper tube	1	3/4	1/2
PEX-tube	1	3/4	-

- Forged nut
- **Product Approval:** WRAS KIWA STF

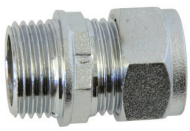
SAP Code	Code	Type	Specification
ABJ945	E015003	C/C	8 X 8
ABJ946	E015004		10 X 10
ABJ947	E015005		12 X 12
ABJ948	E015006		15 X 15
ABJ949	E015007		18 X 18
ABJ950	E016028		22 X 22
ABL198	E015133	C/C	10 X 10
ABL199	E015134		12 X 12
AJL460	E015135		15 X 15

SAP Code	Code	Type	Specification
ABJ968	E015145	C/F	10X3/8
ABJ970	E015019		10X1/2
ABJ969	E015146		12X3/8
ABJ971	E015020		12X1/2
ABL200	E015190		15X3/8
ABJ972	E015021		15X1/2
ABL203	E015196		15X3/4
ABJ973	E015147		18X1/2
ABJ974	E015148		18X3/4
ABJ975	E015149		22X3/4

Compression Fitting

Chrome plated compression fitting.
Designed to be used with copper and plastic tubing

SAP Code	Specification
CBQ963	T-BRANCH CHROME 10mmx15mmx10mm
CBQ964	T-BRANCH CHROME 15mmx15mmx10mm
CBQ965	T-BRANCH CHROME 15mmx10mmx12mm
CBQ967	FITTING MT CHROME 10mmx3/8”
CBQ968	FITTING MT CHROME 12mmx1/2”
CBQ969	T-BRANCH CHROME 15mmx10mmx10mm
CBQ970	ELBOW FT CHROME 10mmx3/8”
CBQ971	T-BRANCH CHROME 10mmx12mmx10mm
CBQ972	ELBOW FT CHROME 12mmx3/8”
CBQ974	T-BRANCH CHROME 12mmx10mmx12mm
CBQ975	FITTING MT CHROME 12mmx3/8”
CBQ976	FITTING CHROME 12mmx10mm
CBQ978	FITTING FT CHROME 12mmx3/8”
CBQ979	ELBOW MT CHROME 12mmx1/2”



CBQ965

CBQ974

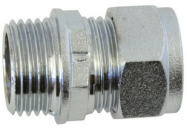
CBQ975

CBQ979

Compression Fitting

Chrome plated compression fitting.
Designed to be used with copper and plastic tubing.

SAP Code	Specification
CBQ935	FITTING MT CHROME 15mmx1/2”
CBQ936	T-BRANCH CHROME 15mmx15mmx12mm
CBQ938	FITTING FT CHROME 15mmx3/8”
CBQ939	T-BRANCH CHROME 15mmx12mmx15mm
CBQ940	ELBOW FT CHROME 10mmx1/2”
CBQ941	T-BRANCH CHROME 15mmx10mmx15mm
CBQ942	FITTING CHROME 15mmx12mm
CBQ943	T-BRANCH CHROME 12mmx10mmx10mm
CBQ944	ELBOW MT CHROME 10mmx1/2”
CBQ945	ELBOW MT CHROME 15mmx1/2”



CBQ935

CBQ940

CBQ944

DZR Compression Fitting Reducing Serie

• **Product Approval:** WRAS KIWA STF

SAP Code	Code	Specification
ABK006	E015035	10 X 8
ABK007	E015036	12 X 8
ABK008	E015037	12 X 10
ABK009	E015039	15 X 10
ABK010	E015040	15 X 12
ABL210	E015385	18 X 12
ABK012	E015041	18 X 15
ABL211	E015395	22 X 15
ABK014	E015201	22 X 18

Copper compression fitting insert for pex pipe

SAP Code	Code	Specification
ABK015	E080104	12/8MM / 2pcs
ABL222	E015860	12/8MM / 10pcs
ABK016	E080105	15/10MM / 2pcs
ABL223	E015865	15/10MM / 10pcs
ABL224	E015870	18/13MM / 2pcs
ABL225	E015875	18/13MM / 10pcs
ABL226	E015880	22/16MM / 2pcs

DZR Compression Nut

• Forged nut
• **Product Approval:** WRAS KIWA STF

SAP Code	Code	Specification
ALJ419	E015181	10MM
ABJ999	E015182	12MM
ABK001	E015183	15MM

DZR Compression Reducer Serie

• **Product Approval:** WRAS KIWA STF

SAP Code	Code	Specification
ABL212	E015805	8MM / 2pcs
ABL214	E015815	10MM / 2pcs
ABL215	E015820	10MM/10pcs
ABL216	E015825	12MM / 2pcs
ABL217	E015830	12MM /10pcs
ABL218	E015835	15MM / 2pcs
ABL219	E015840	15MM/10pcs
ABL220	E015845	18MM / 2pcs
ABL221	E015850	22MM / 2pcs

DZR Compression Fitting Reducing Serie

• **Product Approval:** WRAS KIWA STF

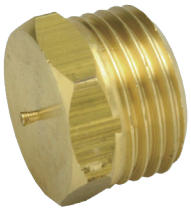
SAP Code	Code	Specification
ABK011	-	15 X 14
ABK013	-	18 X 17

Plug

• **Product Approval:** WRAS KIWA STF

SAP Code	Code	Specification
ABK002	E015033	8MM
ABK003	E016013	10MM
ABK004	E015034	12MM
ABK005	E080101	15MM
ABL209	E015380	18MM

DZR Plug



ABK047

• Male thread end with serration

SAP Code	Code	Specification	Approvals
ABK046	E080145	3/8	WRAS STF
ABK047	E080146	1/2	
ABK048	E080147	3/4	
ABK049	E080148	1	

DZR Hexagon Nipple M/M

ABK034

• Male thread end with serration

SAP Code	Code	Specification	Approvals
ABK033	E080153	3/8	WRAS STF
ABK034	E080112	1/2	
ABK035	E019036	3/4	
ABK036	E019037	1	
ABK037	E080113	1 ¼	

DZR Straight Male Connection M/M

ABK027

• Male thread end with serration

SAP Code	Code	Specification	Approvals
ABK024	E080151	1/2X3/8	WRAS STF
ABK025	E019030	3/4X1/2	
ABK026	E080108	1X1/2	
ABK027	E019031	1X3/4	
ABK028	E019032	1 ¼X1	

DZR Reducing Bush F/M

ABK019

• **Product Approval:** WRAS STF

SAP Code	Code	Specification
ABK017	E015066	3/8X1/4
ABL230	E074820	1/2X1/4
ABK018	E080150	1/2X3/8
ABL231	E074830	3/4X3/8
ABK019	E019027	3/4X1/2
ABK020	E080106	1X1/2
ABK021	E019028	1X3/4
ABK022	E080107	1 ¼X3/4
ABK023	E019029	1 ¼X1
ABL232	E074850	1 ½X1 ¼

DZR Straight Connector F/M

ABK054

ABL237

SAP Code	Code	Specification	Approvals
ABK053	E080080	1/2 x 10 mm	STF
ABK054	E080085	1/2 x 15 mm	
ABK055	E080095	3/4 x 15 mm	
ABL235	E074885	1/2 x 20 mm	
ABL236	E074890	1/2 x 25 mm	
ABL237	E074895	3/4 x 20 mm	

DZR Straight Female Connection F/F

ABK039

SAP Code	Code	Specification	Approvals
ABK038	E015068	3/8	WRAS STF
ABK039	E019039	1/2	
ABK040	E019040	3/4	
ABK041	E019041	1	
ABK042	E080114	1 1/4	

DZR Straight Connector F/M

ABK055

• Male thread end with serration

SAP Code	Code	Specification	Approvals
ABL236	E074890	1/2 x 25mm	STF
ABK055	E080095	3/4 x15mm	

DZR Self-Locking Nut

ABL233

SAP Code	Code	Specification	Approvals
ABL233	E074875	1/2	STF
ABL234	E074880	3/4	

DZR Cap For Manifold

ABK051

SAP Code	Code	Specification	Approvals
ABK050	E080162	3/8	STF
ABK051	E080161	1/2	
ABK052	E080159	3/4	

DZR Elbow For Plastic Pipe

SAP Code	Code	Type	Specification
ABK082	E015080	Coupling / Coupling	20 mm
ABK083	E019045		25 mm
ABK084	E019046		32 mm
ABK085	E080129		40 mm
ABK086	E015112	Male / Coupling	1 x 32 mm
ABL243	E074930	Female / Coupling	3/4 x 25 mm
ABL244	E074935		1 x 32 mm
ABL245	E074940		1 ¼ x 40 mm

ABK084

ABK086

ABL244

DZR Elbow Female Connection F/F

ABK030

SAP Code	Code	Specification	Approvals
ABK029	E080152	3/8	WRAS STF
ABK030	E080110	1/2	
ABK031	E019033	3/4	
ABK032	E019034	1	

DZR Elbow M/F

• All male threads are with serration

SAP Code	Code	Specification	Approvals
ABL227	E074800	1/2	WRAS STF
ABL228	E074805	3/4	
AMH402	E074806	1	

DZR Tee female connection F/F/F

ABK043

SAP Code	Code	Specification	Approvals
ABL229	E074815	3/8	STF
ABK043	E080115	1/2	
ABK044	E080116	3/4	
ABK045	E080117	1	

DZR Junction

SAP Code	Code	Specification
ABK078	E015078	T-20 mm
ABK079	E019043	T-25 mm
ABK080	E019044	T-32 mm
ABK081	E080128	T-40 mm

DZR Straight Coupling For Plastic Pipe

• Connection method
• Compression nut

SAP Code	Code	Type	Specification
ABL240	E074915	female	3/4 x 25 mm
ABL241	E074920		1 x 32 mm
ABL242	E074925		1 ¼ x 40 mm

ABL241

SAP Code	Code	Type	Specification
ABK074	E015076	male	1/2 x 20 mm
ABK075	E019049		3/4 x 25 mm
ABK076	E019042		1 x 32 mm
ABK077	E080127		1 ¼ x 40 mm

ABK076

DZR Y-Piece For Manifold

SAP Code	Specification	Approvals
ABK056	3 x 1/2	STF

DZR Pipe Coupling For Plastic Pipe

- Connection method
- Compression nut

ABK072

SAP Code	Code	Specification
ABK070	E015082	20 mm
ABK071	E080130	25 mm
ABK072	E080131	32 mm
ABK073	E080132	40 mm

DZR Wall Elbow

ABL250

ABK087

SAP Code	Code	Specification	Approvals
ABL250	E074970	1/2 x 20 mm	STF
ABK087	E019047	3/4 x 25 mm	

DZR Eccentric Coupling Chrome

- Hex and screw driver for on/off
- Male thread ends with serration

ABK234

ABK233

SAP Code	Code	Specification
ABK234	E077021	R1/2 x R3/4, 2pcs/bag
ABK233	E077041	1/2 x 3/4, 10 mm 2pcs/bag

Brass Reduction Nipple Chrome M/F

ABK146

ABK147

ABK148

ABK149

ABK150

- Male thread end with serration
- CW617N

SAP Code	Code	Specification
ABK146	E078009	1/2 x 3/4
ABK147	E078010	1/2 x m22 x1
ABK148	E078011	m22x1 x 1/2
ABK149	E078012	3/4 x 1/2
ABK150	E078013	1/2 x m24 x1

DZR Hexagon Nipple Chrome

- All male threads are with serration
- Made by BSEN ISO 9001:2000 registered companies.
- To BS EN 1254:1998.

SAP Code	Specification	Approvals
ABK153	1/2 M	WRAS

Reduction Nipple Chrome

- Made by BSEN ISO 9001:2000 registered companies.
- To BS EN 1254:1998.

SAP Code	Specification	Approvals
ABK154	3/4 M x 1/2 M	WRAS

Angle Coupler

- Plastic
- Chrome

ADP395

SAP Code	Code	Specification
ADP395	E051020	32 x 45°
ADP396	E051025	32 x 88,5°

Double Socket Bend Chrome

- Plastic
- Chrome

ADP393

ADP394

SAP Code	Code	Specification
ADP393	E051010	32 x 45°
ADP394	E051015	32 x 88,5°

Blow Pipe

• Plastic

SAP Code	Specification
ADP391	32 x 1000 chrome

Coupler Double Socket

• Plastic

SAP Code	Specification
ADP392	32 mm chrome

DZR Plastic Pipe Liner

SAP Code	Specification
ABL251	32 x 2,9 mm
ABL252	40 x 3,7 mm

ABL251

Quick Release Coupling

SAP Code	Specification
ABK155	1/2 female
ABK156	3/4 female
ABK157	1/2-3/4 female

ABK155

ABK157

Quick Release Coupling

SAP Code	Code	Specification
ABK158	E078024	1/2 male
ABK159	E078025	3/4 male
ABK161	E078027	13 mm hose
ABK162	E078028	16 mm hose
ABK163	E078029	19 mm hose
ABK164	E078031	10mm hose
ABK165	E078032	13mm hose
ABK166	E078030	16mm hose
ABK167	E078034	13-19mmhose
ABK168	E078035	1/2 female
ABK169	E078036	3/4 female
ABK170	E078038	M22x1 female
ABK171	E078039	1/2 male
ABK172	E078040	3/4 male
ABK173	E078042	M24x1 male
ABK174	E078041	M28x1 male

ABK158

ABK161

ABK162

ABK163

ABK164

ABK167

ABK170

ABK171

ABK174

ABK173

Hose Connector Chrome

• CW617N

ABK139

ABK142

ABK138

ABK144

SAP Code	Code	Specification
ABK138	E079001	1/2 F x 10/12 mm
ABK139	E079002	1/2 F x 13 mm
ABK140	E079145	1/2 F x 16 mm
ABK142	E079005	3/4 F x 13 mm
ABK143	E079130	3/4 F x 16 mm
ABK144	E079004	3/4 F x 19 mm
ABK145	E079129	1 F x 19 mm
ABK141	E079003	1/2 F x 19 mm, with lock ring

Hose Connector (Standard Brass)

• Male thread end with serration

ABK117

SAP Code	Code	Specification
ABK117	E019013	1/2 M x 13 mm
ABK118	E079125	1/2 M x 16 mm
ABK119	E015073	1/2 M x 19 mm
ABK120	E019015	3/4 M x 13 mm
ABK121	E015074	3/4 M x 16 mm
ABK122	E019014	3/4 M x 19 mm
ABK123	E015109	1 M x 16 mm
ABK124	E015110	1 M x 19 mm
ABK125	E015111	1 M x 25 mm

Hose Connector Plastic

SAP code	Code	Specification
ABK254	E080142	22 x 17 mm
ABN817	E077989	19 x 19 mm
ABN818	E077990	22 x 22 mm

Brass Hose Memder

• CW617N

SAP Code	Code	Specification
ABK113	E019011	13 mm
ABK114	E019056	16 mm
ABK115	E019012	19 mm
ABK116	E015072	25 mm

ABK113

ABK116

Connection Hose Softpex

Soft-PEX connection hoses are flexible connecting hoses.
The material of the connection hoses is flexible PEX hose.
Soft-PEX connection hoses are also easy to install in small spaces. If necessary, the connection hose can be bent into a quite small arch.
Soft PEX connection hose can be used for drinking water.
Other areas of use are, e.g. connecting taps, washing machines, dishwashers, and toilet seats.

• Material PE-X (DVGW W270 standard)
• Maximum operating temperature 90 °C
• Maximum working pressure16 bar
• Maximum working pressure 1” hose 10 bar
• As a novelty connection hose 10 mm with a compression clamp end and 10 mm pipe end
• Forged nut
• Inner hose softpex, stainless steel

SAP Code	Length	Size
ALX472	1500 MM	1/2 F X 3/4 90E
ALX473	2000 MM	1/2 F X 3/4 90E
ALX475	3000 MM	1/2 F X 3/4 90E
ALX476	4000 MM	1/2 F X 3/4 90E

Neoflex Spx Dn8

Connection hose, flexible softpex, surface material is stainless steel tissue.

SAP Code	Specification
AMX166	500MM 1/2 FEMALE X 1/2 FEMALE
AMX167	300MM 1/2 FEMALE X 10 MM PIPE
AMX168	400MM 1/2 FEMALE X 10 MM PIPE

Connection Hose Spx Dn8

Inlet hose, flexible softpex, surface material is stainless steel tissue.

SAP Code	Specification
ANL146	300 MM 1/2 F X 1/2 F
ANL147	400 MM 1/2 F X 1/2 F
ANL148	1500 MM 1/2 F X 1/2 F
ANL149	2500 MM 1/2 F X 3/4 90E
ANL150	300MM 10MM COMPR. X 1/2 F
ANL151	400MM 10MM COMPR. X 1/2 F
ANL152	800 MM 1/2 F X 1/2 90E
ANL153	1000 MM 1/2 F X 1/2 90E
ANL154	1500 MM 1/2 F X 1/2 90E
ANL155	1000 MM 1/2 90E X 1/2 90E
ANL156	1500 MM 1/2 90E X 1/2 90E

DZR Mini Ball Valve Chrome

SAP Code	Code	Type	Specification	Sales argument	Approvals
ACP625	E080174	F/F	3/8		WRAS STF
ACP626	E080175		1/2		
ABK227	E077020	F/C	1/2 x 15 mm	Forged nut	
ABK220	E077014	C/C	10 x 10	Forged nut	
ABK221	E077017		12 x 12		
ABK222	E077013		15 x 15		
ABK223	E077015		10 x 8		
ABK225	E077043		12 x 10		
ABK226	E080143		15 x 10		
ABL275	E075325		15 x 12		

ACP625

ABK227

ABK220

- Double O ring;
- All On/Off with Hex & Screw Driver & handle for min ball valve;
- 360º turn;
- For hot and cold water services;
- Conform to EN13828 standard;

DZR mini ball valve chrome with handle F/C

- Forged nut;
- Double O ring; All On/Off with Hex & Screw Driver & handle for min ball valve;
- 360º turn;
- For hot and cold water services;
- Conform to EN13828 standard

SAP Code	Code	Specification	Approvals
ABK228	E077018	1/2 x 10 mm	STF, WRAS
ABK229	E077019	1/2 x 12 mm	

DZR Mini Ball Valve Chrome M/F

- For hot and cold water services
- Conform to EN13828 standard

SAP Code	Specification	Approvals
ABK230	1/2 M/F with handle	STF, WRAS

DZR Eurostop Foot Valve

SAP Code	Code	Specification
ABL268	E075210	1 x 32 mm
ABL269	E075215	1 ¼ x 40 mm

DZR Check Valves

SAP Code	Code	Specification
ABK093	E037001	3/4 St .Steel filter
ABK094	E037002	1 St .Steel filter
ABK095	E037003	1 ¼ St .Steel filter

ABK094

Horizontal Check Valve

SAP Code	Code	Specification
ABK363	E080301	3/4
ABK364	E080302	1

Check Valve

SAP Code	Specification
AEF085	1; Check valve R1 without filter

Bleeding Valve

- Pallero

SAP Code	Specification
ABK354	1/8, 2pcs/pack

Screw For Foot Valve

SAP Code	Specification
ABK266	M6 x 100 mm

DZR Angle Connection Valve C/M

- Forged nut
- Can be used as 1/2x1/2 M/M, Hex +Screw Driver, for on/off, male thread end with serration

SAP Code	Specification	Approvals
ABK231	Thread 1/2, water hole 10mm	STF

Waste Angle

ABK255

ABK256

SAP Code	Code	Specification
ABK255	E079114	3/4 x 19 mm
ABK256	E016950	3/4 x 32 mm brass

Brass Claw Coupling (Standard Brass)

ABK126

ABK129

ABK136

SAP Code	Code	Specification
ABK126	E019017	1/2 F
ABK127	E019018	3/4 F
ABK128	E077044	1 F
ABK129	E019019	1/2 M
ABK130	E019020	3/4 M
ABK131	E077045	1 M
ABK132	E077046	1 1/4 M
ABK133	E019021	13mm hose connector
ABK134	E080126	16mm hose connector
ABK135	E019022	19mm hose connector
ABK136	E015075	25mm hose connector

Reduction Ring Chrome M/F

SAP Code	Code	Specification
ABK152	E078016	3/4 x 1/2 /m22x1

DZR Manifold

- All male threads are with serration

ABK058

ABL255

SAP Code	Code	Type	Specification
ABK058	E080160	3-piece	3/4 M - 3 X 1/2 M
ABL255	E074995	4-piece	3/4 M - 4X1/2 M

Expansion Tanks

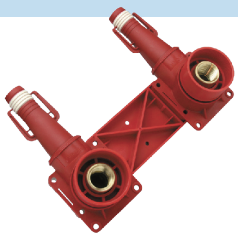
Rack for expansion tank

SAP Code	Specification
ABY464	1/4,3/8,3/4 in and 1/2, 3/4out

Switching Box With Compression Fitting

SAP Code	Code	Specification
ABL253	E074985	1/2 x 12 mm
ABL254	E074990	1/2 x 15 mm
ABK057	E017001	15 mm /2 pcs

ABL253



ABK057

Wall Flange

ACP628

ADP405

SAP Code	Code	Specification
ACP628	E079124	3/4 x 66 mm / 2pcs
ADP405	E079480	3/4 x 90 mm / 2pcs

Brass Flange

SAP Code	Specification
ABL280	h .50 32x90x40, chrome

Brass Drain-Water Pipe

• Chrome

SAP Code	Code	Specification
ABK264	E080008	ø32; 150x610 mm
ABL276	E075335	ø32; 300x700 mm
ABL278	E075345	120mm, eccentric

ABK264

ABL276

Flexible Hose

SAP Code	Specification
ABN806	32 x 800 mm

DITTO bent tailpiece with pipe

SAP Code	Specification
ABN807	1 1/2

Bottle Trap

SAP Code	Specification
ABK263	Bottle trap white plastic

Water lock with flexible hose

SAP Code	Specification
ABM823	1-piece, 1 1/4

T-Bolt For Bracket

SAP Code	Specification
ABK259	4pcs

Brass Bottle

SAP Code	Specification
ABK262	1 1/4, chrome

Extension Tube

SAP Code	Specification
ABK269	3,5/32,5 x 10,3

Wedge Ring

ABN803

SAP Code	Specification
ABN803	Adjustable 148-157mm

Water Insulating Flange

SAP Code	Specification
ABL281	310 mm adjustable

HK-Gasket

ABK271

ABK272

ABK273

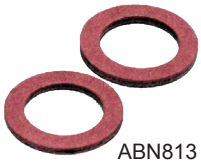
SAP Code	Code	Specification
ABK271	E080026	50/30
ABK272	E080027	70/30
ABK273	E080028	70/50

Claw Coupling Gasket

SAP Code	Specification
ABK137	gasket, EPDM; 2 pcs/bag

Gasket Fiber

SAP Code	Code	Specification
ABN813	E024100	1/2 /2pcs
ABN814	E024050	1/2 /10pcs
ABK179	E079006	3/4 /2pcs
ABN815	E024055	3/4 /10pcs


ABN813

Gasket

SAP Code	Specification
ABK268	PVC 38/32, 10pcs/bag

Hose Tightener

SAP Code	Code	Specification
ABO178	E019120	30-45mm/2pcs

Hose Tightener

SAP Code	Specification
ABK815	16 - 27 mm /10 pce

Hose Tightener Stainless Steel

SAP Code	Specification
AMT862	8-12 /2PCS
AMT863	10-16 /2PCS
AMT864	12-22 /2PCS
AMT865	16-27 /2PCS
AMT866	20-32 /2PCS
AMT867	25-40 /2PCS
AMT868	40-60 /2PCS

Squeezing Ring

SAP Code	Code	Specification
ABL246	E074941	20 mm
ABL247	E074945	25 mm
ABL248	E074950	32 mm
ABL249	E074955	40 mm

Drainage Ring

SAP Code	Specification
ABK257	19 mm

Plug For Floor Gully

SAP Code	Code	Specification
ABK318	E024924	25,5 mm
ABK319	E024925	31 mm

Washing Machine Joint Unit

- 32*21 MM
- White

SAP Code	Specification
ABS717	32 x 21 mm

The bottom valve and outlet connector

SAP Code	Specification
AEC796	1 ½ with 1 exhaust

Brass Outlet Elbow

SAP Code	Specification
ABK267	f/w 1 1/4, chrome

Plastic Lock For Basin

SAP Code	Specification
ABK292	125 mm

Cp.Bot trap w/fl.Pipe&was chr

Chrome-plated bottle water trap with bottom valve and chrome-plated outlet for basin.

SAP Code
ABK261

Universal Waste Brass

SAP Code	Specification
ABK265	stainless steel, 1 1/4, s/steel grid: ø65

Raising Ring

ABK311

ABK312

ABT902

SAP Code	Code	Usage	Diameter	Height	Specification
ABK311	E025011	For carpet erection	150 mm	100 mm	-
ABK312	E025012	For casting	150 mm	100 mm	Not for water proofing floors
ABT902	E025009	For installation above waterproofing only	148 mm	48 mm	Installation without square cover

Top Grid For Gully

ABK293

ABK295

ABK294

SAP Code	Code	Specification
ABK293	E025001	150 mm white, for plastic carpet
ABK295	E025002	150 mm plastic white chrome plating
ABK294	E025003	150 mm white, for concrete floor

Water Lock

SAP Code	Code	Specification
ABK274	E080021	1-piece
ABK275	E080020	2-pieces

ABK274

ABK275

Frame Slab

• 197 X 197 MM

SAP code	Specification
ATB784	stainless steel
ATM439	stainless steel
ATM440	32 MM hole stainl

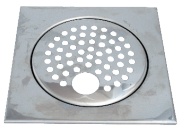
SAP code	Specification	Size
CBH549	matt 32 MM hole stainl	200 x 200 mm
CBH552	32 MM HOLE STAINL	200 x 200 mm
CBH553	matt stainless steel	200 x 200 mm
CBH550	matt 30 PCS stainless steel	197 x 197 mm
CBH551	30 PCS stainless steel	197 x 197 mm

Flame Slab

SAP Code	Code	Specification
ABK296	E025004	197 x 197 mm white
ABK303	E025010	200 x 200 mm stainless steel
ADP390	E024996	32 mm hole 197x197mm stainless steel
ABU549	E025050	197x197 mm height 7 mm stainless steel
ADX878	E025051	160x160 mm stainless steel, matt
ABK304	E025021	160 x 160mm white

ABK296

ABK303


ADP390

ABU549

ADX878

Towel Radiator

- Copper pipe
- Chrome plating with new 3 value chrome plating method

SAP Code	Code	Specification
ALS156	5498063	U-600..200 150x200x600mm 18L, 1,7kg
ALS157	5498064	N 500..600/ 4 180x600x700mm 75,6L,3,3kg
ALS158	5498065	N 600..700/ 4 180x500x600mm 54L, 3,1kg
ALS159	5498066	H 350..740/ 4 100x350x740mm 26L, 2,6kg
ALS160	5498067	H 500..740/ 4 100x500x740mm 37L, 3kg
ALS161	5498068	H 350.1300/ 7 100x350x1300mm 46L, 4,2kg

U Type series

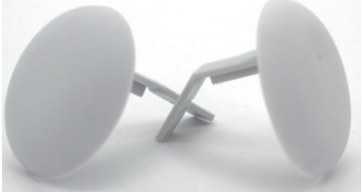
N Type series

H Type series

Renovating Plug

SAP code	Specification
CBR942	40MM CHROME FOR 3/4” PIPE
CBR943	40MM WHITE FOR 3/4” PIPE

CBR942



CBR943

Pipe Hanger

- Chromed

SAP code	Specification
CAL530	CC-40 12-15mm
CAL523	CC-40 10/12/15mm
CAL527	CC-40 18-22
CAL542	FLEXI CC-40 10-16mm

Alupex-Hanger

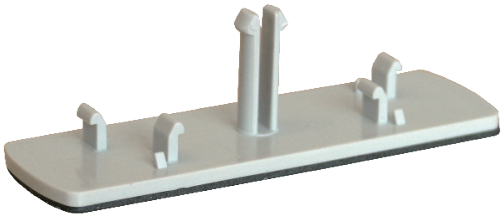
- CC-40 16-22mm

SAP code	Color
CAL521	white
CAL537	chromed

Glue Plate

• FLEXI CC-40

SAP code
CAL524



Pipe Hanger

• White

SAP code	Specification
CAL514	1-piece 15/18/22
CAL516	1-piece 12/15
CAL520	1-piece 22/28

Pipe Hanger

• Chromed

SAP code	Specification
CAL531	1-piece 15/18/22
CAL532	1-piece 12/15
CAL536	1-piece 22/28

Pipe Hanger

• White

SAP code	Specification
CAL515	CC-40 12-15mm
CAL529	CC-40 10/12/15mm
CAL543	CC-40 18-22
CAL526	FLEXI CC-40 10-16mm

Key

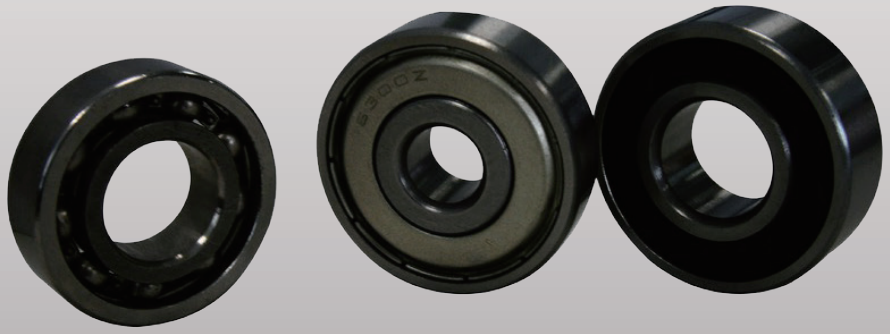
SAP code	Specification
ABK353	1/8, 2pcs

Pressure Gauge

SAP code	Specification
ABK355	1/4 x 64 mm 0-6 bar

OPAL

POWER TRANSMISSION



Deep Groove Ball Bearing

SAP code	Specification
CBE125	6200-2RS 10X30X9
CBE126	6202-2RS 15X35X11
CBE127	608-ZZ ABEC5 8X22X7
CBE128	608-2RS 8X22X7
CBE129	6201-2RS 12X32X10
CBE130	6203-2RS 17X40X12
CBE131	6000-2RS 10X26X8
CAF800	6205-2RS 25X52X15
CAF804	6205-ZZ 25X52X15
CAF805	6204-2RS 20X47X14
CAF807	6305-2RS 25X62X17
CAF808	6305-ZZ 25X62X17

OPAL

TOOLS AND FASTENERS

Pocket Moisture Meter

Moisture meter for wood and building material. Used to measure the moisture level in sawn timber (also cardboard, paper) and hardened materials (plaster, concrete and mortar). Immediately displays the moisture level of the material.

- Convenient to use in warehouse & workshop
- Portable, accurate and safe
- High sensitivity
- Operation time up to continuous 30 hours without backlight
- Dual backlit LCD digital display of moisture & temperature
- Readings with integral electrod pins
- Selectable wood moisture, building material moisture, °C & °F
- Auto power off

Measuring principle: electrical resistance
Electrode length: 8mm
Measuring range: Wood 6 - 44%
Building material 0.2 - 2.0%
Ambient temperature: 0 - 40°C
Ambient relative humidity: 0 - 85%RH

SAP Code	Battery	Size (H x W x D)	Weight
ASN256	Including 4 x LR44 button batteries	96 x 40 x 20mm	83g

Wall Detector For Metal, Voltage, Stud

- Not only a detector can detect stud/metal/voltage, it also has the measurement tape function & also has LED light function

SAP code	Specification	Approval
ALX809	Stud/Metal/Voltage Detector Power ON/Off Led Indicator Finds Wood Stud Led Indicator and Buzzer to Eliminate Guesswork With 0.9 measuring tape and LED light function 9V battery Operation (Not included) Super Bright Led for Illuminate Battery Low Led Indicator	CE, RoHS

Metal Detector

Voltage Detector

Stud Detector

Measurement

Led illumination

Testing Pen

- Plastic body with pocket clip

SAP Code	Specification	Approval
ACZ381	100V - 250V 50 to 60Hz; length:140mm; Suitable for testing AC voltages from 100 up to 250V against earth -10°C to +50°C	RoHS, CE, GS

Non-contact Voltage Tester

- Convension size with pocket dip
- Red LED light & audible beeper

SAP Code	Specification	Approval
ALM757	200-1000V; Built-in bright flashlight with ON/OFF button; Power source: AAA size battery x 2; CAT III 1000V	CE

Digital Multimeter

- Diode check & conyinuity test
- Full range protection
- Double molded plastic housing
- Digital display counts:4000
- EN61010-1, CAT III 600V
- Automatic DCV or ACV selection, Continuity and Diode selection, Resistance.
- Voltage arange: 12, 24, 36, 50, 120, 230, 400V
- IP65
- CAT III 1000V
- Clear indication
- VAT self-test button
- Low impedance test
- **Product approval**: CE

Code	SAP: ALM754; 190126		
Specification		Max Range	Basic Accuracy
	Voltage(DC)	600 V	+/-1,2 %
	Voltage (AC)	600 V	+/-0,5 %
	Current(DC)	10 A	+/-3,0 %
	Current (AC)	10 A	+/-2,5 %
	Resistance	40 MΩ	±0,8 %
	Duty Cycle	99,90 %	±1,2 %
	Frequency	10 MHz	±1,5 %
	Capacitance	100 uF	±3,0 %
	Temperature	760 °C	±3,0 %
	Duty cycle	9.99 %	
	Safety design	Yes	
	Data hold	Yes	
	Auto hold	Yes	
	Auto ranging	Yes	
	Auto power off	Yes	
	Accessories	Test leads and 9V battery	
	Size	138 x 68 x 37mm	
	Total weight	210g	

LED Work Light

- ABS material
- LED lifetime:100000HRS
- using place: indoor use, auto or home repair, emergency roadside, etc

SAP code	Bulb	Battery	Brightness	Size	Weight
CCD429	COB+1W	3XAA (not included)	head 1W LED: 25 LM side COB: 180LM	225X60X48MM	178g
CCD430	1W COB	3XAAA (not included)	80LM	163*17*32M	38g
CCD431	-	3XAAA (Not included)	head 3 LED: 25 LM side COB: 100LM	105X66x16MM	69g

Working Light

- With explosion proof glass cover
- E27 lamp holder
- **Product Approval**: CE

SAP code	Power	IP standard	Voltage	Cable
ABK417	Max. 60W	21	220-240V, 16A	5m, H05RN-F 2X1.0mm^2

Foldable Water Bucket

- Convenient foldable water bucket for car, caravan, boat and garden.
- Durable material, oxford cloth
- Stainless steel handle
- Portable, supplied with a handy bag

SAP Code	Capacity
ASQ631	11 liters

Pipe Support Band

SAP code	Code	Specification
ABJ936	E023950	17 mmx2,5 m galvanized
ACJ996	E023951	12 mm plastic covered/3 m
ACJ997	E023952	17 mm plastic covered/3 m
ACJ998	E023953	12mm x 1,5m with 5mm holes, acid-proof

Copper Coil

SAP code	Specification
ABJ943	10 x 8,4 mm 2 m
ABJ944	12 x 10 mm 2 m

Copper Pipe Cutter

ANO926

ANO927

SAP Code	Code	Type	Specification
ANO926	E120034	Tube cutter (3-30mm)	zince alloy, ball-bearing steel
ANO927	E120035	Mini tubing cutter (3-16mm)	

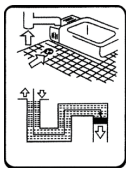
Foot Screw With Flange

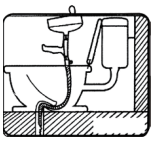
SAP code	Code	Specification
ABL256	E075000	M8 x 50/5pcs
ABL257	E075005	M8 x 80/5pcs

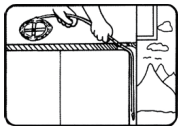
Drain Pipe Spring

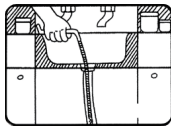
- Good resistance to both high and low temperatures
- Good hardness
- Long service-life
- Durable
- Widely used in every field with drain

SAP Code	Code	Specification
ANO928	E120036	9mm*7m (72 spring steel)
ANO929	E120037	9mm*5m (72 spring steel)


Bathroom drain pipe


Toilet drain pipe


Washing machine hoses

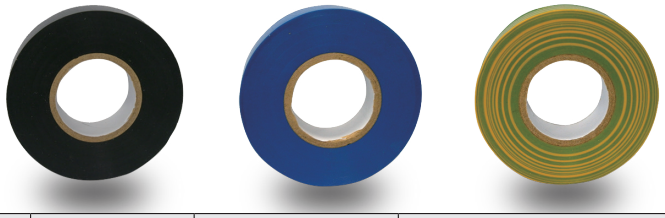

Kitchen drain pipe

Drain Trap Opener Sucker With Handle

SAP Code	Specification
ABK321	Drain trap opener sucker with handle

PVC Electrical Tape

- -10°C to +80°C
- DIN EN 60454-3-1
- Flame retardant, Lead-free
- Can be used as primary insulation at not more than 600V
- 19mm*0.18mm*20m



SAP Code	FIN Code	SWE Code	NOR Code	Type	Color	Specification	Approvals
ACZ378	16011	-	-	black		-	RoHS
ACZ379	16013	-	-	blue		-	RoHS
ACZ380	16014	-	-	yellow/green		-	RoHS

Cable Tie

- 100pcs/bag

SAP Code	Type	Specification	Approvals
ACZ239	Tensile strength: 8kg (18 lbs), 100mm x 2.5mm, Natural color	Nylon 66, 94V-2	RoHS, UL, DNV, GL, LLOYD, VDE, CE, ABS
ACZ242	Tensile strength: 18kg (40 lbs), 150mm x 3.6mm, Natural color		
ACZ245	Tensile strength: 22kg (50 lbs), 203mm x 4.6mm, Natural color		
ACZ246	Tensile strength: 22kg (50 lbs), 280mm x 4.8mm, Natural color		
ACZ247	Tensile strength: 22kg (50 lbs), 368mm x 4.8mm, Natural color		
ACZ259	Tensile strength: 22kg (50 lbs), 203mm x 4.6mm, black		
ACZ260	Tensile strength: 22kg (50 lbs), 300mm x 7.6mm, black		
ACZ261	Tensile strength: 22kg (50 lbs), 368mm x 4.8mm, black		

Screw Fastener

- Screw diameter: Ø 5 mm
- Screw materail: Dacrotized
- Packing(pcs): 20
- Outdoor use

SAP Code	Length	Specification
CBU700	32	8 - 12MM, white
CBU701	32	7 - 10MM, white
CBU702	38	10 - 14MM, black

Nail Clip

SAP Code	Code	Specification	Approvals
ACZ220	111305	3-5 mm 100pcs	CE
ACZ221	111306	4-6 mm 100pcs	
ACZ222	111307	5-7 mm 100pcs	
ACZ223	111310	7-10 mm 100pcs	
ACZ224	111312	8-12 mm 100pcs	
ACZ225	111314	10-14 mm 100pcs	
ACZ226	111320	14-20 mm 100pcs	
ACZ325	1305	3-5 mm 20pcs	
ACZ326	1306	4-6 mm 20pcs	
ACZ327	1307	5-7 mm 20pcs	
ACZ328	1310	7-10 mm 20pcs	
ACZ329	1312	8-12 mm 20pcs	
ACZ330	1314	10-14 mm 20pcs	
ACZ331	1320	14-20 mm 20pcs	

Pipe Clamps

• Plastic

SAP Code	Code	Specification
ABJ930	E023910	white 10 mm / 5pcs
ABJ931	E023912	white 12 mm / 5pcs
ABJ932	E023915	white 15 mm /4 pcs
ABL258	E075095	white 18 mm /4 pcs
ABL259	E075100	white 22 mm /4 pcs

ABJ926

• Galvanize

SAP Code	Code	Specification
ADP380	E022852	M8 47-52 mm
ADP381	E022880	M8 72-80 mm
ADP382	E022890	M8 82-90 mm
ADP383	E022900	M8 108-115 mm

ADP380

Pipe Clamps

ABJ933

ABJ935

ADP372

ADP376

ADP384

SAP Code	Code	Specification
White		
ABJ933	E023920	2x10mm/5pcs, Plastic
ABJ934	E023922	2x12mm/5pcs, Plastic
ABL260	E075120	2x15mm/2pcs, Plastic
ABL261	E075125	2x18mm/2pcs, Plastic
ABL262	E075130	2x22mm/2pcs, Plastic
ABJ935	E023932	32 mm/2pcs, Plastic
Chrome		
ADP372	E022810	1x10mm/4pcs, Plastic
ADP373	E022812	1x12mm/4pcs, Plastic
ADP374	E022815	1x15mm/4pcs, Plastic
ADP375	E022818	1x18 m /4 pcs, Plastic
ADP376	E022820	2x10mm/4pcs, Plastic

SAP Code	Code	Specification
ADP377	E022822	2x12mm/4pcs, Plastic
ADP378	E022825	2x15mm/4pcs, Plastic
ADP379	E022828	2x18mm/4pcs, Plastic
Insulated		
ADP384	E022910	M8x10mm Cr/2pcs
ADP385	E022912	M8x12mm Cr/4pcs
ADP386	E022915	M8x1/4 -15mm Cr/6pcs
ADP387	E022918	M8x3/8 -18mm Cr/8pcs
ADP388	E022922	M8x1/2 -22mm Cr/10pcs
ADP389	E022928	M8x3/4 -28mm Cr/12pcs
ADT363	E022935	M8x1 -35mm Cr/14pcs
ADT364	E022942	M8x1 1/4 -42mm Cr/16pcs

Hose Tightener

SAP Code	Code	Specification
ABK101	E01900	8-12mm/2pcs
ABK102	E019002	10-16mm/2pcs
ABK103	E019003	12-22mm/2pcs
ABK104	E019004	16-27mm/2pcs
ABK106	E019006	20-32mm/2pcs
ABK107	E019007	25-40mm/2pcs
ABO178	E019120	30-45mm/2pcs
ABK108	E019008	40-60mm/2pcs
ABK109	E019010	50-70mm/2pcs
ABK110	E080123	60-80mm/2pcs
ABK111	E080124	80-100mm/2pcs
ABK112	E080125	100-130mm/2pcs

ABK101

ABK108

ABK112

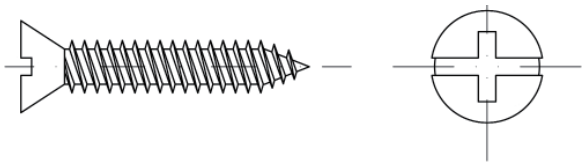
Hose Tightener Stainless Steel

SAP Code	Specification
AMT862	8-12 /2PCS
AMT863	10-16 /2PCS
AMT864	12-22 /2PCS
AMT865	16-27 /2PCS
AMT866	20-32 /2PCS
AMT867	25-40 /2PCS
AMT868	40-60 /2PCS

Screw

Suitable for mounting boxes.
Screw size is 3x29 mm.

SAP code	Specification
CBV467	M3x29 6PCS



Duct Bracket With Nut

SAP code	Specification
ASR564	100-M8
ASR565	125-M8
ASR566	160-M8

Covering Plate

• White

SAP Code	Code	Specification
ALS417	E079481	10mm/2pcs
ALS418	E079482	12mm/2pcs
ALS419	E079483	15mm/2pcs
ALS420	E079484	18mm/2pcs
ALS421	E079485	22mm/2pcs
ALS422	E079486	28mm/2pcs
ALS423	E079487	35mm/2pcs

ALS417

• Chrome

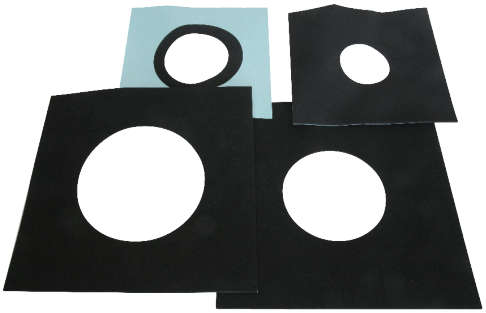
SAP Code	Code	Specification
ALS424	E079488	10mm/2pcs
ALS425	E079489	12mm/2pcs
ALS426	E079490	15mm/2pcs
ALS427	E079491	18mm/2pcs

ALS424

Led-Through Gaskets

• 5pcs

SAP Code	Code	Specification		
		Pipe Diameters	Outer Dimensions	Aperture/ adhesive area
ALR696	8398210	Blind	150 x150mm	- / 90mm
ALR697	8398211	50 – 75 mm	150 x 150mm	45 / 90 mm
ALR698	8398212	100 / 110	240 x 240 mm	80 / 120 mm
ALR699	8398213	125 mm	240 x 240 mm	105 / 145 mm
ALR700	8398214	160 mm	320 x 320 mm	140 / 180 mm
ALR701	8398215	200 mm	320 x 320 mm	180 / 220 mm



Drain Detergent

SAP Code	Specification
ABK320	1 kg Pipeline Rae

Cleaning Agent For Boiler

SAP Code	Specification
ABK352	1 kg

Plumbing Cement

SAP Code	Code	Specification
ABK190	E024020	Unipak 65g tube
ABN804	E075192	Unipak 360g
ABN805	E075195	65g cement with 13g flax

ABK190

ABN804

ABN805

Thread Tape

SAP Code	Specification
ABK191	12mm x 12m

Sanitary Cement

SAP Code	Specification
ADW154	125g . Unigum

Tallow Cord

SAP Code	Specification
AEC793	6 mm /1 m

Fine Flax

SAP Code	Specification
ABK189	100g

OPAL

VENTILATION

Dehumidifier

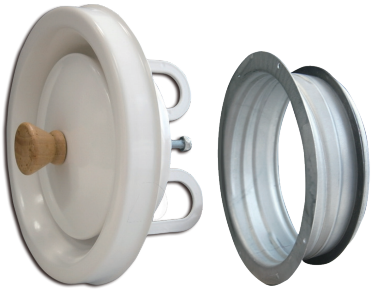
SAP Code		-	AMS340	AMS341
Product Code		-	7698000	7698001
Power supply		V-Ph-Hz	1Ph, 220-240V~ 50Hz	1Ph, 220-240V~ 50Hz
Performance	Moisture removal	L/day	16L	30L
	Rated.input consumption	W	375	635
	Rated. current	A	1.75	3.3
	Energy factor(EEV)	L/kWh	1.3	1.3
Starting current		A	4.8	9.5
Power cord		mm^2	0.75x3 / VDE	0.75x3 / VDE
Control type		-	Electronic Control	Electronic Control
System Data	Refrigerant type	kg	R134A/0.09	R134A/0.2
	Design pressure	MPa	1.7/0.7	1.7/0.7
	Water tank volume	L	3	4.7
	Air flow (High/Mid/Low)	m^3/h	200	215
	Noise level (High/Mid/Low)	dB(A)	47	50
Applicable Ambient	RH Range Manual	-	35 ~ 85%	35 ~ 85%
	Ambient temp	-	5 ~ 35	5 ~ 35
	Application area	m^2	29-44	58-73
Dimension (W*D*H)		mm	350x210x510	400x254x562
Packing (W*D*H)		mm	390x280x530	432×286×581
Net/Gross weight		Kg	12/13	15.5/16.5
Compressor		-	ROTARY	ROTARY

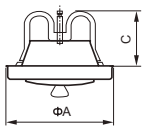
- Auto restart function
- Auto defrosting
- Powerful dehumidification,
- Semi-hidden caster
- Time, LED display,
- Self-diagnosis and Auto-protection

Exhaust Air Valve With Collar OPV-S (Sauna)

- Sauna
- With collar

SAP Code	Code	Type	Specification
AMA865	E294324	OPV-S-100	Powder coating
AMA866	E294325	OPV-S-125	





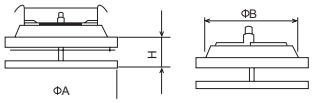
OPV-SA	(mm)	C(mm)
100	136	77
125	162	87

Disc Valve Supply OLV

• Used for both exhaust and supply air., easy installation on wall or in the ceiling.
• The valve body is equipped with a cellular plastic gasket.
• The air flow can easily be adjusted by rotating the control disc.

SAP Code	Code	Type	Specification
AEU773	E294280	OLV-80	Manufactured from sheet steel with a white powder-coated finish RAL9010.
AEU774	E294281	OLV-100	
AEU775	E294282	OLV-125	
AEU776	E294283	OLV-160	
AEU777	E294284	OLV-200	

OLV	H	A	B
80	27-57	108	80
100	27-57	137	100
125	27-57	162	125
160	27-57	193	160
200	27-60	240	200

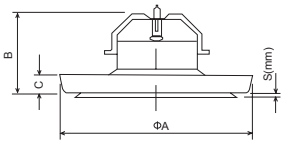


Supply Air Valve With Collar

• With collar; Used for ventilation system with a low sound level even at high pressure drops.
• The valve body is equipped be a cellular plastic gasket.
• The air flow can easily be adjusted by rotating the inner cone.

SAP Code	Code	Type	Specification
AMA867	E294326	OTV-100	Manufactured from sheet steel with a white powder-coated finish RAL9010.
AMA868	E294327	OTV-125	
AMA869	E294328	OTV-160	

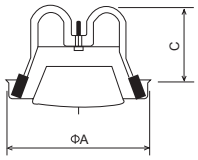
OTV	A	B	C
100	145	67	18
125	175	76	19
160	218	80	20



Exhaust Air Valve With Collar

• With collar; Used for ventilation system with a low sound level even at high pressure drops.
• The valve body is equipped be a cellular plastic gasket.
• The air flow can easily be adjusted by rotating the inner cone.

SAP Code	Code	Type	Specification
AMA861	E294320	OPV-100	Manufactured from sheet steel with a white powder-coated finish RAL9010.
AMA862	E294321	OPV-125	
AMA863	E294322	OPV-160	
AMA864	E294323	OPV-200	



OPV	A mm	C mm
100	136	77
125	162	87
150	193	91
160	193	91
200	243	109

Grille

SAP Code	Code	Specification
ACX650	E294110	VS-AV 80
ACX651	E294111	VS-AV 100
ACX652	E294112	VS-AV 125
ACX653	E294113	VS-AV 160
ACX654	E294114	VS-AV 200
ACX655	E294115	VS-AV 250
ACX656	E294116	VS-AV 315
AEU578	E294202	VS-AV 400

Pass-Through Roof

SAP code	Specification
ACP624	6-102 mm rubber

OPAL